338. III.

Berliner Astronomisches Jahrbuch

für

1922

147. Jahrgang

Herausgegeben

von dem

Astronomischen Rechen-Institut

zu

Berlin

Biblioteka Jagiellońska
1001921047

Berlin
Ferd. Dümmlers Verlagsbuchhandlung
(Kommissionsverlag)
1920

762400

BIBLIOTHECA UNIV. IAGIELL. CRACOVIENSIS

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4842
II czasop.
147 (1922)

Bibl. Jagiell.
2014 CD/125/104

Vorwort

Vom Jahrgang 1916 an ist der fundamentale Meridian, auf den alle Angaben des Jahrbuchs bezogen sind, der Meridian von Greenwich. Die Zeitangaben sind in Mittlerer Zeit Greenwich, die Kulminations-Phänomene für die Kulmination im Meridian von Greenwich gegeben.

Die Grundlagen des Berliner Astronomischen Jahrbuchs bilden:

Für die Sonne und die großen Planeten:

Die Tafeln von Newcomb und (für Jupiter und Saturn) von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets,*
Vol. VII, Part I—IV: *Tables of Jupiter, Saturn, Uranus, Neptune.*

Als Sonnenhalbmesser in der mittleren Entfernung ist nach Auwers angenommen: $R = 15' 59''.63$.

Für den Mond:

Tables de la lune von P. A. Hansen, unter Verbesserung der Tafel 34 für das Fundamentalargument nach Newcomb. Außerdem enthalten die Mondörter die empirischen Korrektionen von Newcomb nach: »Corrections to Hansen's tables of the Moon« (Washington, 1878).

Mittlere Mondparallaxe nach Hansen $57' 2''.27$.

Der geozentrische Mondhalbmesser $r_☾$ ist aus der Äquatorial-Horizontalparallaxe $p_☾$ gerechnet nach der Formel

$$r_☾ = 0.272506\, p_☾ + 1''.50$$

Als Neigung des Mondäquators gegen die Ekliptik ist nach F. Hayn (A. N. 199, 263) angenommen: $J = 1° 32' 20''$.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts).

Die Sternspektra sind der »Revised Harvard Photometry (Harvard Annals, vol. 50)« entnommen.

Als Werte der fundamentalen Reduktionsgrößen sind angenommen:

Die Präzessions-Größen nach S. Newcomb (vgl. H. Andoyer, Bull. Astr. 28, 67)	
Die Nutations-Konstante	9″.21
Die Nutations-Größen nach S. Newcomb (Bull. Astr. 15, 241)	
Die Aberrations-Konstante	20″.47
Die Sonnen-Parallaxe	8″.80
Die Abplattung der Erde . . .	1 : 297.0

Für die Satelliten:

Die Angaben über die 4 älteren Jupiterstrabanten beruhen auf den neuen Tafeln von R. A. Sampson (*Tables of the four great Satellites of Jupiter*. London 1910), die Angaben über die 8 älteren Saturnssatelliten auf den von H. Struve ermittelten Werten (Näheres s. Erläuterungen).

In allen Ephemeriden der Sonne, der Planeten und der Fixsterne sind die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Der Inhalt des Jahrbuchs hat gegen das Vorjahr keine Änderungen erfahren. Ein Teil der Angaben wurde in Wiederaufnahme des Austauschverkehrs seitens des Nautical Almanac, Washington, zur Verfügung gestellt. Bezüglich der Zahlengrundlagen sei auf die im Berliner Jahrbuch für 1916 gegebene Darstellung der »Grundbegriffe der Sphärischen Astronomie« hingewiesen.

Fritz Cohn.

Inhalt

Zeit- und Festrechnung 1922

Das Jahr 1922 entspricht dem
Jahr 6635 der Julianischen Periode und dem
Jahr 7430 — 7431 der Byzantinischen Ära

Gregorianischer Kalender		Julianischer Kalender	Tag im Julianischen Kalender	Tag im Gregorianischen Kalender
Septuagesima	12. Febr.	Septuagesima	30. Jan.	12. Febr.
Aschermittwoch	1. März	Aschermittwoch	16. Febr.	1. März
I. Quatember	8. März	I. Quatember	23. Febr.	8. März
Ostersonntag	16. April	Ostersonntag	3. April	16. April
Himmelfahrt	25. Mai	Himmelfahrt	12. Mai	25. Mai
Pfingstsonntag	4. Juni	Pfingstsonntag	22. Mai	4. Juni
II. Quatember	7. Juni	II. Quatember	25. Mai	7. Juni
III. Quatember	20. Sept.	III. Quatember	21. Sept.	4. Okt.
I. Advent	3. Dez.	I. Advent	27. Nov.	10. Dez.
IV. Quatember	20. Dez.	IV. Quatember	14. Dez.	27. Dez.

Kalender der Mohammedaner

1340 (Gemeinjahr)

Dschemâdi-el-accher 1	1922	Jan.	30
Redscheb 1	»	Febr.	28
Schabân 1	»	März	30
Ramadân 1	»	April	28
Schewwâl 1	»	Mai	28
Dsû 'l-kade 1	»	Juni	26
Dsû 'l-hedsche 1	»	Juli	26

1341 (Schaltjahr)

Moharrem 1	1922	Aug.	24
Safar 1	»	Sept.	23
Rebî-el-awwel 1	»	Okt.	22
Rebî-el-accher 1	»	Nov.	21
Dschemâdi-el-awwel 1	»	Dez.	20

Kalender der Juden

5682 (Überzähliges Gemeinjahr)

Tebet	1	. . . .	1922	Jan.	1
	10	Fasten. Belagerung Jerusalems . .	»		10
Schebat	1	. . . .	»		30
Adar	1	. . . .	»	März	1
	13	Fasten-Esther	»		13
	14	Purim	»		14
	15	Schuschan-Purim	»		15
Nisan	1	. . . .	»		30
	15	Passah-Anfang*	»	April	13
	16	Zweites Fest*	»		14
	21	Siebentes Fest*	»		19
	22	Achtes Fest*	»		20
Ijar	1	. . . .	»		29
	18	Lag-B'omer	»	Mai	16
Sivan	1	. . . .	»		28
	6	Wochenfest*	»	Juni	2
	7	Zweites Fest*	»		3
Thamuz	1	. . . .	»		27
	17	Fasten. Tempeleroberung	»	Juli	13
Ab	1	. . . .	»		26
	9	Fasten. Tempelverbrennung . . .	»	Aug.	3
Elul	1	. . . .	»		25

5683 (Abgekürztes Gemeinjahr)

Tischri	1	Neujahrsfest*	1922	Sept.	23
	2	Zweites Fest*	»		24
	3	Fasten-Gedaljah	»		25
	10	Versöhnungsfest*	»	Okt.	2
	15	Laubhüttenfest*	»		7
	16	Zweites Fest*	»		8
	21	Palmenfest	»		13
	22	Versammlung oder Laubhüttenende* .	»		14
	23	Gesetzesfreude*	»		15
Marcheschwan	1	. . . .	»		23
Kislev	1	. . . .	»	Nov.	21
	25	Tempelweihe	»	Dez.	15
Tebet	1	. . . .	»		20
	10	Fasten. Belagerung Jerusalems . .	»		29

Die mit * bezeichneten Festtage werden streng gefeiert

Astronomische Zeichen und Abkürzungen

Bezeichnung der Wochentage

☉ Sonntag
☾ Montag
♂ Dienstag
☿ Mittwoch
♃ Donnerstag
♀ Freitag
♄ Sonnabend

Adspekten

☌ Konjunktion
□ Quadratur
☍ Opposition

Mondphasen

● Neumond
◐ Erstes Viertel
○ Vollmond
◑ Letztes Viertel

☊ Aufsteigender } Knoten
☋ Niedersteigender } Knoten

Zeichen
des Tierkreises und der Himmelskörper

♈ Widder . . .	0 Grad		
♉ Stier	30 »	☉	Sonne
♊ Zwillinge . .	60 »	☾	Mond
♋ Krebs	90 »	☿	Merkur
♌ Löwe	120 »	♀	Venus
♍ Jungfrau . .	150 »	♁	Erde
♎ Wage	180 »	♂	Mars
♏ Skorpion . .	210 »	♃	Jupiter
♐ Schütze . . .	240 »	♄	Saturn
♑ Steinbock . .	270 »	♅	Uranus
♒ Wassermann	300 »	♆	Neptun
♓ Fische . . .	330 »		

Sonne, Mond, Große Planeten

1922

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan. 0.0	Sa	+ 2 59.32	28.72	18 40 27.76	4 25.28	−23 7 14.4	4 30.3	70.97	16 15.91
1.0	St	3 28.04	28.41	18 44 53.04	4 24.96	23 2 44.1	4 57.9	70.93	16 15.92
2.0	Mo	3 56.45	28.05	18 49 18.00	4 24.61	22 57 46.2	5 25.4	70.88	16 15.93
3.0	Di	4 24.50	27.66	18 53 42.61	4 24.22	22 52 20.8	5 52.6	70.83	16 15.93
4.0	Mi	4 52.16	27.25	18 58 6.83	4 23.81	22 46 28.2	6 19.7	70.78	16 15.93
5.0	Do	5 19.41	26.81	19 2 30.64	4 23.36	22 40 8.5	6 46.6	70.73	16 15.92
6.0	Fr	+ 5 46.22	26.33	19 6 54.00	4 22.89	−22 33 21.9	7 13.3	70.67	16 15.91
7.0	Sa	6 12.55	25.82	19 11 16.89	4 22.38	22 26 8.6	7 39.9	70.60	16 15.90
8.0	St	6 38.37	25.30	19 15 39.27	4 21.86	22 18 28.7	8 6.0	70.53	16 15.87
9.0	Mo	7 3.67	24.75	19 20 1.13	4 21.30	22 10 22.7	8 32.2	70.46	16 15.85
10.0	Di	7 28.42	24.17	19 24 22.43	4 20.73	22 1 50.5	8 57.9	70.39	16 15.81
11.0	Mi	7 52.59	23.58	19 28 43.16	4 20.13	21 52 52.6	9 23.5	70.31	16 15.77
12.0	Do	+ 8 16.17	22.97	19 33 3.29	4 19.53	−21 43 29.1	9 48.7	70.23	16 15.73
13.0	Fr	8 39.14	22.34	19 37 22.82	4 18.89	21 33 40.4	10 13.7	70.15	16 15.68
14.0	Sa	9 1.48	21.69	19 41 41.71	4 18.26	21 23 26.7	10 38.5	70.06	16 15.62
15.0	St	9 23.17	21.04	19 45 59.97	4 17.60	21 12 48.2	11 2.9	69.97	16 15.56
16.0	Mo	9 44.21	20.38	19 50 17.57	4 16.93	21 1 45.3	11 27.1	69.88	16 15.49
17.0	Di	10 4.59	19.69	19 54 34.50	4 16.25	20 50 18.2	11 50.9	69.78	16 15.41
18.0	Mi	+10 24.28	19.00	19 58 50.75	4 15.55	−20 38 27.3	12 14.4	69.68	16 15.32
19.0	Do	10 43.28	18.28	20 3 6.30	4 14.83	20 26 12.9	12 37.6	69.58	16 15.23
20.0	Fr	11 1.56	17.56	20 7 21.13	4 14.12	20 13 35.3	13 0.5	69.48	16 15.14
21.0	Sa	11 19.12	16.82	20 11 35.25	4 13.38	20 0 34.8	13 22.9	69.38	16 15.05
22.0	St	11 35.94	16.08	20 15 48.63	4 12.63	19 47 11.9	13 45.0	69.28	16 14.95
23.0	Mo	11 52.02	15.30	20 20 1.26	4 11.86	19 33 26.9	14 6.7	69.17	16 14.84
24.0	Di	+12 7.32	14.53	20 24 13.12	4 11.09	−19 19 20.2	14 28.1	69.06	16 14.72
25.0	Mi	12 21.85	13.75	20 28 24.21	4 10.30	19 4 52.1	14 49.1	68.95	16 14.61
26.0	Do	12 35.60	12.94	20 32 34.51	4 9.50	18 50 3.0	15 9.7	68.84	16 14.49
27.0	Fr	12 48.54	12.14	20 36 44.01	4 8.69	18 34 53.3	15 29.9	68.73	16 14.37
28.0	Sa	13 0.68	11.33	20 40 52.70	4 7.88	18 19 23.4	15 49.7	68.62	16 14.25
29.0	St	13 12.01	10.50	20 45 0.58	4 7.06	18 3 33.7	16 9.0	68.51	16 14.12
30.0	Mo	+13 22.51	9.68	20 49 7.64	4 6.23	−17 47 24.7	16 28.1	68.39	16 13.99
31.0	Di	13 32.19	8.84	20 53 13.87	4 5.40	17 30 56.6	16 46.7	68.28	16 13.86
Febr. 1.0	Mi	13 41.03	8.02	20 57 19.27	4 4.57	17 14 9.9	17 4.8	68.16	16 13.72
2.0	Do	13 49.05	7.17	21 1 23.84	4 3.73	16 57 5.1	17 22.5	68.05	16 13.58
3.0	Fr	13 56.22	6.34	21 5 27.57	4 2.90	16 39 42.6	17 40.0	67.93	16 13.44
4.0	Sa	14 2.56	5.51	21 9 30.47	4 2.06	16 22 2.6	17 56.8	67.82	16 13.29
5.0	St	+14 8.07	4.67	21 13 32.53	4 1.23	−16 4 5.8	18 13.3	67.70	16 13.14
6.0	Mo	14 12.74	3.85	21 17 33.76	4 0.40	15 45 52.5	18 29.5	67.59	16 12.98
7.0	Di	14 16.59	3.03	21 21 34.16	3 59.58	15 27 23.0	18 45.2	67.48	16 12.83
8.0	Mi	14 19.62	2.21	21 25 33.74	3 58.77	15 8 37.8	19 0.4	67.36	16 12.66
9.0	Do	14 21.83	1.42	21 29 32.51	3 57.97	14 49 37.4	19 15.3	67.25	16 12.49
10.0	Fr	14 23.25		21 33 30.48		14 30 22.1		67.14	16 12.31

Tag	Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge	Diff.	Breite	log R	Diff.	Untergang in +50° Breite 0h Länge	Aufgang in +50° Breite 0h Länge
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Jan. 0	055	18 37 28.44	279 18 0.7	61 10.4	+0.68	9.992 6963	50	4 7	19 59
1	056	18 41 25.00	280 19 11.1	61 10.3	+0.62	9.992 6913	33	4 8	19 59
2	057	18 45 21.56	281 20 21.4	61 10.1	+0.54	9.992 6880	13	4 9	19 59
3	058	18 49 18.12	282 21 31.5	61 9.8	+0.44	9.992 6867	−6	4 10	19 58
4	059	18 53 14.67	283 22 41.3	61 9.6	+0.33	9.992 6873	26	4 11	19 58
5	060	18 57 11.23	284 23 50.9	61 9.1	+0.22	9.992 6899	48	4 13	19 58
6	061	19 1 7.78	285 25 0.0	61 8.7	+0.10	9.992 6947	70	4 14	19 58
7	062	19 5 4.34	286 26 8.7	61 8.4	−0.02	9.992 7017	94	4 15	19 57
8	063	19 9 0.90	287 27 17.1	61 7.7	−0.15	9.992 7111	119	4 16	19 57
9	064	19 12 57.46	288 28 24.8	61 7.3	−0.25	9.992 7230	145	4 17	19 56
10	065	19 16 54.01	289 29 32.1	61 6.8	−0.33	9.992 7375	172	4 19	19 56
11	066	19 20 50.57	290 30 38.9	61 6.2	−0.38	9.992 7547	200	4 20	19 55
12	067	19 24 47.12	291 31 45.1	61 5.9	−0.41	9.992 7747	229	4 21	19 55
13	068	19 28 43.68	292 32 51.0	61 5.4	−0.42	9.992 7976	258	4 23	19 54
14	069	19 32 40.24	293 33 56.4	61 5.1	−0.38	9.992 8234	287	4 24	19 53
15	070	19 36 36.80	294 35 1.5	61 4.6	−0.29	9.992 8521	314	4 26	19 53
16	071	19 40 33.35	295 36 6.1	61 4.4	−0.19	9.992 8835	342	4 27	19 52
17	072	19 44 29.91	296 37 10.5	61 4.1	−0.08	9.992 9177	368	4 29	19 51
18	073	19 48 26.46	297 38 14.6	61 3.8	+0.04	9.992 9545	392	4 30	19 50
19	074	19 52 23.02	298 39 18.4	61 3.4	+0.17	9.992 9937	414	4 32	19 49
20	075	19 56 19.58	299 40 21.8	61 3.2	+0.31	9.993 0351	435	4 33	19 48
21	076	20 0 16.13	300 41 25.0	61 2.7	+0.42	9.993 0786	455	4 35	19 47
22	077	20 4 12.69	301 42 27.7	61 2.2	+0.52	9.993 1241	474	4 36	19 46
23	078	20 8 9.24	302 43 29.9	61 1.6	+0.60	9.993 1715	490	4 38	19 45
24	079	20 12 5.80	303 44 31.5	61 1.1	+0.65	9.993 2205	507	4 40	19 44
25	080	20 16 2.36	304 45 32.6	61 0.3	+0.68	9.993 2712	522	4 41	19 43
26	081	20 19 58.91	305 46 32.9	60 59.5	+0.68	9.993 3234	537	4 43	19 42
27	082	20 23 55.47	306 47 32.4	60 58.7	+0.65	9.993 3771	552	4 45	19 40
28	083	20 27 52.02	307 48 31.1	60 57.6	+0.60	9.993 4323	567	4 46	19 39
29	084	20 31 48.58	308 49 28.7	60 56.6	+0.52	9.993 4890	581	4 48	19 38
30	085	20 35 45.13	309 50 25.3	60 55.5	+0.42	9.993 5471	597	4 50	19 36
31	086	20 39 41.69	310 51 20.8	60 54.3	+0.31	9.993 6068	611	4 51	19 35
Febr. 1	087	20 43 38.24	311 52 15.1	60 52.9	+0.19	9.993 6679	627	4 53	19 33
2	088	20 47 34.80	312 53 8.0	60 51.7	+0.06	9.993 7306	644	4 55	19 32
3	089	20 51 31.35	313 53 59.7	60 50.3	−0.06	9.993 7950	660	4 56	19 30
4	090	20 55 27.90	314 54 50.0	60 48.8	−0.18	9.993 8610	678	4 58	19 29
5	091	20 59 24.46	315 55 38.8	60 47.2	−0.29	9.993 9288	696	5 0	19 27
6	092	21 3 21.01	316 56 26.0	60 45.8	−0.37	9.993 9984	717	5 2	19 26
7	093	21 7 17.57	317 57 11.8	60 44.3	−0.43	9.994 0701	737	5 3	19 24
8	094	21 11 14.12	318 57 56.1	60 42.7	−0.47	9.994 1438	759	5 5	19 23
9	095	21 15 10.68	319 58 38.8	60 41.3	−0.46	9.994 2197	782	5 7	19 21
10	096	21 19 7.23	320 59 20.1		−0.43	9.994 2979		5 8	19 19

Sonne 1922

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 10.0	Fr	+14 23.25	0.62	21 33 30.48	3 57.17	−14 30 22.1	19 29.9	67.14	16 12.31
11.0	Sa	14 23.87	0.15	21 37 27.65	3 56.41	14 10 52.2	19 43.9	67.03	16 12.13
12.0	St	14 23.72	0.92	21 41 24.06	3 55.64	13 51 8.3	19 57.6	66.92	16 11.94
13.0	Mo	14 22.80	1.66	21 45 19.70	3 54.89	13 31 10.7	20 10.9	66.81	16 11.76
14.0	Di	14 21.14	2.38	21 49 14.59	3 54.17	13 10 59.8	20 23.8	66.70	16 11.56
15.0	Mi	14 18.76	3.11	21 53 8.76	3 53.44	12 50 36.0	20 36.3	66.60	16 11.36
16.0	Do	+14 15.65	3.80	21 57 2.20	3 52.75	−12 29 59.7	20 48.4	66.49	16 11.16
17.0	Fr	14 11.85	4.50	22 0 54.95	3 52.06	12 9 11.3	21 0.1	66.39	16 10.95
18.0	Sa	14 7.35	5.17	22 4 47.01	3 51.39	11 48 11.2	21 11.4	66.29	16 10.73
19.0	St	14 2.18	5.82	22 8 38.40	3 50.72	11 26 59.8	21 22.2	66.19	16 10.52
20.0	Mo	13 56.36	6.48	22 12 29.12	3 50.08	11 5 37.6	21 32.7	66.10	16 10.30
21.0	Di	13 49.88	7.11	22 16 19.20	3 49.44	10 44 4.9	21 42.7	66.00	16 10.07
22.0	Mi	+13 42.77	7.74	22 20 8.64	3 48.82	−10 22 22.2	21 52.2	65.91	16 9.85
23.0	Do	13 35.03	8.34	22 23 57.46	3 48.20	10 0 30.0	22 1.5	65.82	16 9.63
24.0	Fr	13 26.69	8.94	22 27 45.66	3 47.61	9 38 28.5	22 10.1	65.73	16 9.40
25.0	Sa	13 17.75	9.53	22 31 33.27	3 47.03	9 16 18.4	22 18.6	65.64	16 9.17
26.0	St	13 8.22	10.10	22 35 20.30	3 46.46	8 53 59.8	22 26.4	65.56	16 8.94
27.0	Mo	12 58.12	10.65	22 39 6.76	3 45.90	8 31 33.4	22 33.9	65.48	16 8.70
28.0	Di	+12 47.47	11.19	22 42 52.66	3 45.36	− 8 8 59.5	22 41.1	65.40	16 8.47
März 1.0	Mi	12 36.28	11.71	22 46 38.02	3 44.84	7 46 18.4	22 47.7	65.32	16 8.23
2.0	Do	12 24.57	12.23	22 50 22.86	3 44.32	7 23 30.7	22 54.0	65.24	16 7.99
3.0	Fr	12 12.34	12.72	22 54 7.18	3 43.83	7 0 36.7	22 59.8	65.17	16 7.75
4.0	Sa	11 59.62	13.20	22 57 51.01	3 43.36	6 37 36.9	23 5.4	65.10	16 7.51
5.0	St	11 46.42	13.66	23 1 34.37	3 42.89	6 14 31.5	23 10.4	65.04	16 7.27
6.0	Mo	+11 32.76	14.11	23 5 17.26	3 42.45	− 5 51 21.1	23 15.0	64.98	16 7.03
7.0	Di	11 18.65	14.52	23 8 59.71	3 42.02	5 28 6.1	23 19.4	64.92	16 6.78
8.0	Mi	11 4.13	14.94	23 12 41.73	3 41.62	5 4 46.7	23 23.3	64.86	16 6.53
9.0	Do	10 49.19	15.31	23 16 23.35	3 41.24	4 41 23.4	23 26.8	64.80	16 6.28
10.0	Fr	10 33.88	15.67	23 20 4.59	3 40.88	4 17 56.6	23 30.0	64.75	16 6.03
11.0	Sa	10 18.21	16.01	23 23 45.47	3 40.54	3 54 26.6	23 32.8	64.70	16 5.77
12.0	St	+10 2.20	16.32	23 27 26.01	3 40.23	− 3 30 53.8	23 35.3	64.65	16 5.51
13.0	Mo	9 45.88	16.61	23 31 6.24	3 39.95	3 7 18.5	23 37.3	64.61	16 5.25
14.0	Di	9 29.27	16.86	23 34 46.19	3 39.69	2 43 41.2	23 39.2	64.57	16 4.99
15.0	Mi	9 12.41	17.10	23 38 25.88	3 39.45	2 20 2.0	23 40.5	64.53	16 4.72
16.0	Do	8 55.31	17.31	23 42 5.33	3 39.24	1 56 21.5	23 41.6	64.50	16 4.45
17.0	Fr	8 38.00	17.50	23 45 44.57	3 39.06	1 32 39.9	23 42.3	64.47	16 4.18
18.0	Sa	+ 8 20.50	17.66	23 49 23.63	3 38.89	− 1 8 57.6	23 42.7	64.44	16 3.91
19.0	St	8 2.84	17.80	23 53 2.52	3 38.74	0 45 14.9	23 42.6	64.41	16 3.63
20.0	Mo	7 45.04	17.93	23 56 41.26	3 38.62	− 0 21 32.3	23 42.3	64.39	16 3.35
21.0	Di	7 27.11	18.04	0 0 19.88	3 38.52	+ 0 2 10.0	23 41.4	64.37	16 3.07
22.0	Mi	7 9.07	18.12	0 3 58.40	3 38.43	0 25 51.4	23 40.4	64.35	16 2.79
23.0	Do	6 50.95		0 7 36.83		0 49 31.8		64.34	16 2.52

Tag	Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge		Breite	log *R*		Untergang (in +50° Breite, 0h Länge)	Aufgang (in +50° Breite, 0h Länge)
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Febr. 10	096	21 19 7.23	320 59 20.1	60 39.7	−0.43	9.994 2979	806	5 8	19 19
11	097	21 23 3.78	321 59 59.8	60 38.2	−0.36	9.994 3785	829	5 10	19 17
12	098	21 27 0.34	323 0 38.0	60 37.0	−0.27	9.994 4614	853	5 12	19 16
13	099	21 30 56.89	324 1 15.0	60 35.7	−0.16	9.994 5467	876	5 14	19 14
14	100	21 34 53.44	325 1 50.7	60 34.3	−0.04	9.994 6343	898	5 15	19 12
15	101	21 38 50.00	326 2 25.0	60 33.2	+0.10	9.994 7241	917	5 17	19 10
16	102	21 42 46.55	327 2 58.2	60 31.9	+0.24	9.994 8158	936	5 19	19 8
17	103	21 46 43.10	328 3 30.1	60 30.7	+0.36	9.994 9094	953	5 21	19 7
18	104	21 50 39.66	329 4 0.8	60 29.4	+0.47	9.995 0047	968	5 22	19 5
19	105	21 54 36.21	330 4 30.2	60 28.1	+0.55	9.995 1015	981	5 24	19 3
20	106	21 58 32.76	331 4 58.3	60 26.8	+0.62	9.995 1996	994	5 26	19 1
21	107	22 2 29.32	332 5 25.1	60 25.4	+0.65	9.995 2990	1005	5 27	18 59
22	108	22 6 25.87	333 5 50.5	60 23.9	+0.64	9.995 3995	1014	5 29	18 57
23	109	22 10 22.42	334 6 14.4	60 22.4	+0.61	9.995 5009	1023	5 31	18 55
24	110	22 14 18.98	335 6 36.8	60 20.9	+0.56	9.995 6032	1031	5 33	18 53
25	111	22 18 15.53	336 6 57.7	60 19.1	+0.48	9.995 7063	1038	5 34	18 51
26	112	22 22 12.08	337 7 16.8	60 17.5	+0.39	9.995 8101	1046	5 36	18 49
27	113	22 26 8.63	338 7 34.3	60 15.7	+0.27	9.995 9147	1052	5 38	18 47
28	114	22 30 5.19	339 7 50.0	60 13.9	+0.14	9.996 0199	1058	5 39	18 45
März 1	115	22 34 1.74	340 8 3.9	60 11.9	+0.01	9.996 1257	1065	5 41	18 43
2	116	22 37 58.29	341 8 15.8	60 9.9	−0.12	9.996 2322	1071	5 43	18 41
3	117	22 41 54.84	342 8 25.7	60 7.9	−0.24	9.996 3393	1079	5 44	18 39
4	118	22 45 51.40	343 8 33.6	60 5.8	−0.36	9.996 4472	1086	5 46	18 37
5	119	22 49 47.95	344 8 39.4	60 3.7	−0.47	9.996 5558	1094	5 48	18 35
6	120	22 53 44.50	345 8 43.1	60 1.5	−0.54	9.996 6652	1103	5 49	18 33
7	121	22 57 41.05	346 8 44.6	59 59.3	−0.58	9.996 7755	1113	5 51	18 31
8	122	23 1 37.60	347 8 43.9	59 57.2	−0.58	9.996 8868	1125	5 52	18 28
9	123	23 5 34.16	348 8 41.1	59 54.9	−0.56	9.996 9993	1137	5 54	18 26
10	124	23 9 30.71	349 8 36.0	59 52.8	−0.51	9.997 1130	1150	5 56	18 24
11	125	23 13 27.26	350 8 28.8	59 50.8	−0.42	9.997 2280	1163	5 57	18 22
12	126	23 17 23.81	351 8 19.6	59 48.7	−0.32	9.997 3443	1178	5 59	18 20
13	127	23 21 20.36	352 8 8.3	59 46.7	−0.19	9.997 4621	1192	6 0	18 18
14	128	23 25 16.91	353 7 55.0	59 44.9	−0.05	9.997 5813	1205	6 2	18 16
15	129	23 29 13.47	354 7 39.9	59 43.0	+0.07	9.997 7018	1218	6 4	18 13
16	130	23 33 10.02	355 7 22.9	59 41.3	+0.21	9.997 8236	1228	6 5	18 11
17	131	23 37 6.57	356 7 4.2	59 39.5	+0.33	9.997 9464	1237	6 7	18 9
18	132	23 41 3.12	357 6 43.7	59 37.8	+0.41	9.998 0701	1245	6 9	18 7
19	133	23 44 59.67	358 6 21.5	59 36.1	+0.47	9.998 1946	1250	6 10	18 5
20	134	23 48 56.22	359 5 57.6	59 34.3	+0.51	9.998 3196	1254	6 12	18 3
21	135	23 52 52.78	0 5 31.9	59 32.7	+0.53	9.998 4450	1257	6 13	18 0
22	136	23 56 49.33	1 5 4.6	59 30.8	+0.51	9.998 5707	1259	6 15	17 58
23	137	0 0 45.88	2 4 35.4		+0.46	9.998 6966		6 17	17 56

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 23.0	Do	+6 50.95	18.19	0 7 36.83	3 38.37	+ 0 49 31.8	23 38.8	64.34	16 2.52
24.0	Fr	6 32.76	18.23	0 11 15.20	3 38.31	1 13 10.6	23 37.0	64.33	16 2.24
25.0	Sa	6 14.53	18.27	0 14 53.51	3 38.28	1 36 47.6	23 34.8	64.32	16 1.95
26.0	St	5 56.26	18.28	0 18 31.79	3 38.27	2 0 22.4	23 32.1	64.32	16 1.67
27.0	Mo	5 37.98	18.28	0 22 10.06	3 38.28	2 23 54.5	23 29.2	64.32	16 1.40
28.0	Di	5 19.70	18.26	0 25 48.34	3 38.29	2 47 23.7	23 25.9	64.32	16 1.13
29.0	Mi	+5 1.44	18.22	0 29 26.63	3 38.33	+ 3 10 49.6	23 22.1	64.32	16 0.85
30.0	Do	4 43.22	18.17	0 33 4.96	3 38.39	3 34 11.7	23 18.1	64.33	16 0.57
31.0	Fr	4 25.05	18.10	0 36 43.35	3 38.45	3 57 29.8	23 13.7	64.34	16 0.30
April 1.0	Sa	4 6.95	18.01	0 40 21.80	3 38.54	4 20 43.5	23 8.8	64.35	16 0.03
2.0	St	3 48.94	17.91	0 44 0.34	3 38.64	4 43 52.3	23 3.8	64.37	15 59.76
3.0	Mo	3 31.03	17.80	0 47 38.98	3 38.76	5 6 56.1	22 58.2	64.39	15 59.49
4.0	Di	+3 13.23	17.65	0 51 17.74	3 38.89	+ 5 29 54.3	22 52.3	64.41	15 59.22
5.0	Mi	2 55.58	17.51	0 54 56.63	3 39.05	5 52 46.6	22 46.2	64.43	15 58.95
6.0	Do	2 38.07	17.33	0 58 35.68	3 39.22	6 15 32.8	22 39.6	64.46	15 58.69
7.0	Fr	2 20.74	17.14	1 2 14.90	3 39.41	6 38 12.4	22 32.7	64.49	15 58.42
8.0	Sa	2 3.60	16.93	1 5 54.31	3 39.63	7 0 45.1	22 25.5	64.52	15 58.15
9.0	St	1 46.67	16.69	1 9 33.94	3 39.86	7 23 10.6	22 18.0	64.55	15 57.88
10.0	Mo	+1 29.98	16.43	1 13 13.80	3 40.11	+ 7 45 28.6	22 10.1	64.59	15 57.61
11.0	Di	1 13.55	16.16	1 16 53.91	3 40.39	8 7 38.7	22 1.9	64.63	15 57.34
12.0	Mi	0 57.39	15.86	1 20 34.30	3 40.70	8 29 40.6	21 53.5	64.68	15 57.07
13.0	Do	0 41.53	15.54	1 24 15.00	3 41.01	8 51 34.1	21 44.6	64.72	15 56.80
14.0	Fr	0 25.99	15.20	1 27 56.01	3 41.36	9 13 18.7	21 35.5	64.77	15 56.52
15.0	Sa	+0 10.79	14.84	1 31 37.37	3 41.71	9 34 54.2	21 26.1	64.82	15 56.25
16.0	St	—0 4.05	14.46	1 35 19.08	3 42.09	+ 9 56 20.3	21 16.3	64.87	15 55.98
17.0	Mo	0 18.51	14.07	1 39 1.17	3 42.49	10 17 36.6	21 6.2	64.92	15 55.71
18.0	Di	0 32.58	13.66	1 42 43.66	3 42.89	10 38 42.8	20 55.7	64.98	15 55.44
19.0	Mi	0 46.24	13.24	1 46 26.55	3 43.31	10 59 38.5	20 45.0	65.04	15 55.17
20.0	Do	0 59.48	12.81	1 50 9.86	3 43.74	11 20 23.5	20 33.8	65.10	15 54.91
21.0	Fr	1 12.29	12.36	1 53 53.60	3 44.19	11 40 57.3	20 22.4	65.16	15 54.64
22.0	Sa	—1 24.65	11.91	1 57 37.79	3 44.65	+12 1 19.7	20 10.6	65.22	15 54.38
23.0	St	1 36.56	11.44	2 1 22.44	3 45.11	12 21 30.3	19 58.5	65.29	15 54.12
24.0	Mo	1 48.00	10.96	2 5 7.55	3 45.59	12 41 28.8	19 46.0	65.36	15 53.86
25.0	Di	1 58.96	10.48	2 8 53.14	3 46.08	13 1 14.8	19 33.2	65.43	15 53.60
26.0	Mi	2 9.44	9.99	2 12 39.22	3 46.56	13 20 48.0	19 20.1	65.50	15 53.35
27.0	Do	2 19.43	9.49	2 16 25.78	3 47.06	13 40 8.1	19 6.6	65.57	15 53.11
28.0	Fr	—2 28.92	8.99	2 20 12.84	3 47.57	+13 59 14.7	18 52.8	65.64	15 52.86
29.0	Sa	2 37.91	8.48	2 24 0.41	3 48.08	14 18 7.5	18 38.6	65.72	15 52.62
30.0	St	2 46.39	7.96	2 27 48.49	3 48.59	14 36 46.1	18 24.2	65.79	15 52.38
Mai 1.0	Mo	2 54.35	7.45	2 31 37.08	3 49.11	14 55 10.3	18 9.4	65.87	15 52.15
2.0	Di	3 1.80	6.92	2 35 26.19	3 49.63	15 13 19.7	17 54.2	65.95	15 51.92
3.0	Mi	3 8.72		2 39 15.82		15 31 13.9		66.03	15 51.69

Tag	Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge		Breite	log R		Untergang in +50° Breite 0h Länge	Aufgang in +50° Breite 0h Länge
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
März 23	137	0 0 45.88	2 4 35.4	59 29.0	+0.46	9.998 6966	1258	6 17	17 56
24	138	0 4 42.43	3 4 4.4	59 27.1	+0.38	9.998 8224	1258	6 18	17 54
25	139	0 8 38.98	4 3 31.5	59 25.3	+0.29	9.998 9482	1255	6 20	17 52
26	140	0 12 35.54	5 2 56.8	59 23.3	+0.17	9.999 0737	1253	6 21	17 50
27	141	0 16 32.09	6 2 20.1	59 21.3	+0.04	9.999 1990	1249	6 23	17 47
28	142	0 20 28.64	7 1 41.4	59 19.2	—0.09	9.999 3239	1245	6 24	17 45
29	143	0 24 25.19	8 1 0.6	59 17.2	—0.23	9.999 4484	1241	6 26	17 43
30	144	0 28 21.74	9 0 17.8	59 15.1	—0.36	9.999 5725	1236	6 28	17 41
31	145	0 32 18.29	9 59 32.9	59 12.8	—0.47	9.999 6961	1231	6 29	17 39
April 1	146	0 36 14.85	10 58 45.7	59 10.6	—0.57	9.999 8192	1227	6 31	17 36
2	147	0 40 11.40	11 57 56.3	59 8.3	—0.66	9.999 9419	1224	6 32	17 34
3	148	0 44 7.95	12 57 4.6	59 6.0	—0.72	0.000 0643	1220	6 34	17 32
4	149	0 48 4.50	13 56 10.6	59 3.7	—0.73	0.000 1863	1218	6 35	17 30
5	150	0 52 1.05	14 55 14.3	59 1.3	—0.71	0.000 3081	1217	6 37	17 28
6	151	0 55 57.60	15 54 15.6	58 59.0	—0.68	0.000 4298	1217	6 38	17 26
7	152	0 59 54.16	16 53 14.6	58 56.7	—0.61	0.000 5515	1218	6 40	17 24
8	153	1 3 50.71	17 52 11.3	58 54.4	—0.50	0.000 6733	1219	6 42	17 21
9	154	1 7 47.26	18 51 5.7	58 52.2	—0.37	0.000 7952	1223	6 43	17 19
10	155	1 11 43.81	19 49 57.9	58 50.1	—0.24	0.000 9175	1226	6 45	17 17
11	156	1 15 40.37	20 48 48.0	58 48.2	—0.11	0.001 0401	1228	6 46	17 15
12	157	1 19 36.92	21 47 36.2	58 46.2	+0.02	0.001 1629	1232	6 48	17 13
13	158	1 23 33.47	22 46 22.4	58 44.2	+0.15	0.001 2861	1232	6 49	17 11
14	159	1 27 30.02	23 45 6.6	58 42.5	+0.25	0.001 4093	1233	6 51	17 9
15	160	1 31 26.58	24 43 49.1	58 40.7	+0.33	0.001 5326	1232	6 52	17 7
16	161	1 35 23.13	25 42 29.8	58 39.1	+0.38	0.001 6558	1230	6 54	17 5
17	162	1 39 19.68	26 41 8.9	58 37.4	+0.41	0.001 7788	1225	6 56	17 3
18	163	1 43 16.23	27 39 46.3	58 35.7	+0.39	0.001 9013	1220	6 57	17 1
19	164	1 47 12.79	28 38 22.0	58 34.1	+0.35	0.002 0233	1212	6 59	16 59
20	165	1 51 9.34	29 36 56.1	58 32.4	+0.28	0.002 1445	1204	7 0	16 57
21	166	1 55 5.89	30 35 28.5	58 30.7	+0.20	0.002 2649	1194	7 2	16 55
22	167	1 59 2.45	31 33 59.2	58 29.0	+0.09	0.002 3843	1184	7 3	16 53
23	168	2 2 59.00	32 32 28.2	58 27.4	—0.03	0.002 5027	1172	7 5	16 51
24	169	2 6 55.55	33 30 55.6	58 25.6	—0.16	0.002 6199	1159	7 7	16 49
25	170	2 10 52.11	34 29 21.2	58 23.9	—0.29	0.002 7358	1145	7 8	16 47
26	171	2 14 48.66	35 27 45.1	58 22.0	—0.42	0.002 8503	1131	7 10	16 45
27	172	2 18 45.21	36 26 7.1	58 20.3	—0.54	0.002 9634	1116	7 11	16 43
28	173	2 22 41.77	37 24 27.4	58 18.4	—0.65	0.003 0750	1101	7 13	16 41
29	174	2 26 38.32	38 22 45.8	58 16.4	—0.74	0.003 1851	1086	7 14	16 40
30	175	2 30 34.87	39 21 2.2	58 14.5	—0.81	0.003 2937	1072	7 16	16 38
Mai 1	176	2 34 31.43	40 19 16.7	58 12.5	—0.84	0.003 4009	1057	7 17	16 36
2	177	2 38 27.98	41 17 29.2	58 10.5	—0.84	0.003 5066	1043	7 19	16 34
3	178	2 42 24.54	42 15 39.7		—0.80	0.003 6109		7 21	16 32

Mittlere Zeit Greenwich		Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Mai	3.0	Mi	—3 8.72	6.40	2 39 15.82	3 50.15	+15 31 13.9	17 38.8	66.03	15 51.69
	4.0	Do	3 15.12	5.86	2 43 5.97	3 50.69	15 48 52.7	17 23.0	66.11	15 51.46
	5.0	Fr	3 20.98	5.33	2 46 56.66	3 51.23	16 6 15.7	17 7.0	66.19	15 51.24
	6.0	Sa	3 26.31	4.78	2 50 47.89	3 51.77	16 23 22.7	16 50.5	66.27	15 51.01
	7.0	St	3 31.09	4.24	2 54 39.66	3 52.32	16 40 13.2	16 33.9	66.35	15 50.79
	8.0	Mo	3 35.33	3.68	2 58 31.98	3 52.87	16 56 47.1	16 17.0	66.43	15 50.58
	9.0	Di	—3 39.01	3.11	3 2 24.85	3 53.44	+17 13 4.1	15 59.6	66.51	15 50.36
	10.0	Mi	3 42.12	2.55	3 6 18.29	3 54.01	17 29 3.7	15 42.2	66.59	15 50.15
	11.0	Do	3 44.67	1.97	3 10 12.30	3 54.59	17 44 45.9	15 24.3	66.67	15 49.94
	12.0	Fr	3 46.64	1.39	3 14 6.89	3 55.16	18 0 10.2	15 6.2	66.75	15 49.72
	13.0	Sa	3 48.03	0.80	3 18 2.05	3 55.75	18 15 16.4	14 47.9	66.84	15 49.51
	14.0	St	3 48.83	0.23	3 21 57.80	3 56.34	18 30 4.3	14 29.2	66.92	15 49.30
	15.0	Mo	—3 49.06	0.37	3 25 54.14	3 56.92	+18 44 33.5	14 10.2	67.00	15 49.10
	16.0	Di	3 48.69	0.95	3 29 51.06	3 57.50	18 58 43.7	13 51.1	67.08	15 48.90
	17.0	Mi	3 47.74	1.53	3 33 48.56	3 58.09	19 12 34.8	13 31.7	67.16	15 48.70
	18.0	Do	3 46.21	2.11	3 37 46.65	3 58.66	19 26 6.5	13 11.9	67.24	15 48.50
	19.0	Fr	3 44.10	2.68	3 41 45.31	3 59.23	19 39 18.4	12 51.9	67.32	15 48.31
	20.0	Sa	3 41.42	3.24	3 45 44.54	3 59.80	19 52 10.3	12 31.7	67.40	15 48.12
	21.0	St	—3 38.18	3.79	3 49 44.34	4 0.35	+20 4 42.0	12 11.1	67.48	15 47.93
	22.0	Mo	3 34.39	4.35	3 53 44.69	4 0.90	20 16 53.1	11 50.4	67.55	15 47.74
	23.0	Di	3 30.04	4.87	3 57 45.59	4 1.43	20 28 43.5	11 29.4	67.63	15 47.56
	24.0	Mi	3 25.17	5.40	4 1 47.02	4 1.96	20 40 12.9	11 8.1	67.70	15 47.39
	25.0	Do	3 19.77	5.91	4 5 48.98	4 2.46	20 51 21.0	10 46.7	67.77	15 47.22
	26.0	Fr	3 13.86	6.40	4 9 51.44	4 2.96	21 2 7.7	10 24.9	67.84	15 47.06
	27.0	Sa	—3 7.46	6.88	4 13 54.40	4 3.43	+21 12 32.6	10 3.0	67.91	15 46.90
	28.0	St	3 0.58	7.33	4 17 57.83	4 3.89	21 22 35.6	9 40.8	67.97	15 46.74
	29.0	Mo	2 53.25	7.78	4 22 1.72	4 4.34	21 32 16.4	9 18.5	68.04	15 46.59
	30.0	Di	2 45.47	8.20	4 26 6.06	4 4.75	21 41 34.9	8 55.8	68.10	15 46.44
	31.0	Mi	2 37.27	8.61	4 30 10.81	4 5.17	21 50 30.7	8 33.1	68.16	15 46.31
Juni	1.0	Do	2 28.66	8.99	4 34 15.98	4 5.55	21 59 3.8	8 10.1	68.22	15 46.17
	2.0	Fr	—2 19.67	9.37	4 38 21.53	4 5.92	+22 7 13.9	7 47.0	68.28	15 46.04
	3.0	Sa	2 10.30	9.72	4 42 27.45	4 6.28	22 15 0.9	7 23.7	68.33	15 45.91
	4.0	St	2 0.58	10.05	4 46 33.73	4 6.61	22 22 24.6	7 0.2	68.38	15 45.79
	5.0	Mo	1 50.53	10.38	4 50 40.34	4 6.93	22 29 24.8	6 36.5	68.43	15 45.67
	6.0	Di	1 40.15	10.69	4 54 47.27	4 7.25	22 36 1.3	6 12.8	68.47	15 45.55
	7.0	Mi	1 29.46	10.98	4 58 54.52	4 7.53	22 42 14.1	5 49.0	68.51	15 45.43
	8.0	Do	—1 18.48	11.25	5 3 2.05	4 7.81	+22 48 3.1	5 24.9	68.54	15 45.32
	9.0	Fr	1 7.23	11.51	5 7 9.86	4 8.07	22 53 28.0	5 0.7	68.58	15 45.22
	10.0	Sa	0 55.72	11.76	5 11 17.93	4 8.31	22 58 28.7	4 36.5	68.63	15 45.11
	11.0	St	0 43.96	11.98	5 15 26.24	4 8.54	23 3 5.2	4 12.2	68.66	15 45.01
	12.0	Mo	0 31.98	12.20	5 19 34.78	4 8.75	23 7 17.4	3 47.8	68.69	15 44.91
	13.0	Di	0 19.78		5 23 43.53		23 11 5.2		68.72	15 44.81

Tag	Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge		Breite	log *R*		Untergang in +50° Breite	Aufgang 0ʰ Länge
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Mai 3	178	2 42 24.54	42 15 39.7	58 8.5	−0.80	0.003 6109	1032	7 21	16 32
4	179	2 46 21.09	43 13 48.2	58 6.5	−0.73	0.003 7141	1020	7 22	16 31
5	180	2 50 17.64	44 11 54.7	58 4.5	−0.63	0.003 8161	1010	7 24	16 29
6	181	2 54 14.20	45 9 59.2	58 2.6	−0.52	0.003 9171	1001	7 25	16 27
7	182	2 58 10.75	46 8 1.8	58 0.7	−0.39	0.004 0172	993	7 27	16 26
8	183	3 2 7.31	47 6 2.5	57 58.9	−0.26	0.004 1165	986	7 28	16 24
9	184	3 6 3.86	48 4 1.4	57 57.2	−0.12	0.004 2151	979	7 30	16 23
10	185	3 10 0.42	49 1 58.6	57 55.5	0.00	0.004 3130	973	7 31	16 21
11	186	3 13 56.97	49 59 54.1	57 54.0	+0.11	0.004 4103	966	7 32	16 20
12	187	3 17 53.53	50 57 48.1	57 52.6	+0.19	0.004 5069	959	7 34	16 18
13	188	3 21 50.08	51 55 40.7	57 51.1	+0.25	0.004 6028	950	7 35	16 17
14	189	3 25 46.64	52 53 31.8	57 49.9	+0.28	0.004 6978	941	7 37	16 15
15	190	3 29 43.19	53 51 21.7	57 48.8	+0.28	0.004 7919	930	7 38	16 14
16	191	3 33 39.75	54 49 10.5	57 47.5	+0.24	0.004 8849	918	7 40	16 12
17	192	3 37 36.30	55 46 58.0	57 46.3	+0.18	0.004 9767	905	7 41	16 11
18	193	3 41 32.86	56 44 44.3	57 45.2	+0.10	0.005 0672	890	7 42	16 10
19	194	3 45 29.41	57 42 29.5	57 44.0	+0.01	0.005 1562	874	7 44	16 8
20	195	3 49 25.97	58 40 13.5	57 43.1	−0.10	0.005 2436	857	7 45	16 7
21	196	3 53 22.52	59 37 56.6	57 41.9	−0.23	0.005 3293	839	7 46	16 6
22	197	3 57 19.08	60 35 38.5	57 40.7	−0.37	0.005 4132	819	7 48	16 5
23	198	4 1 15.63	61 33 19.2	57 39.8	−0.50	0.005 4951	800	7 49	16 4
24	199	4 5 12.19	62 30 59.0	57 38.6	−0.61	0.005 5751	777	7 50	16 3
25	200	4 9 8.74	63 28 37.6	57 37.5	−0.72	0.005 6528	756	7 51	16 2
26	201	4 13 5.30	64 26 15.1	57 36.2	−0.82	0.005 7284	734	7 53	16 1
27	202	4 17 1.86	65 23 51.3	57 35.2	−0.88	0.005 8018	710	7 54	16 0
28	203	4 20 58.41	66 21 26.5	57 33.8	−0.91	0.005 8728	688	7 55	15 59
29	204	4 24 54.97	67 19 0.3	57 32.6	−0.91	0.005 9416	665	7 56	15 58
30	205	4 28 51.52	68 16 32.9	57 31.2	−0.89	0.006 0081	644	7 57	15 57
31	206	4 32 48.08	69 14 4.1	57 30.0	−0.85	0.006 0725	623	7 58	15 56
Juni 1	207	4 36 44.64	70 11 34.1	57 28.6	−0.75	0.006 1348	604	8 0	15 55
2	208	4 40 41.19	71 9 2.7	57 27.4	−0.64	0.006 1952	586	8 1	15 55
3	209	4 44 37.75	72 6 30.1	57 26.0	−0.51	0.006 2538	568	8 2	15 54
4	210	4 48 34.31	73 3 56.1	57 24.9	−0.38	0.006 3106	553	8 2	15 53
5	211	4 52 30.86	74 1 21.0	57 23.7	−0.25	0.006 3659	538	8 3	15 53
6	212	4 56 27.42	74 58 44.7	57 22.6	−0.12	0.006 4197	524	8 4	15 52
7	213	5 0 23.98	75 56 7.3	57 21.7	−0.02	0.006 4721	512	8 5	15 52
8	214	5 4 20.53	76 53 29.0	57 20.7	+0.07	0.006 5233	499	8 6	15 52
9	215	5 8 17.09	77 50 49.7	57 20.0	+0.14	0.006 5732	486	8 7	15 51
10	216	5 12 13.65	78 48 9.7	57 19.2	+0.16	0.006 6218	473	8 7	15 51
11	217	5 16 10.20	79 45 28.9	57 18.7	+0.16	0.006 6691	459	8 8	15 51
12	218	5 20 6.76	80 42 47.6	57 18.1	+0.14	0.006 7150	445	8 9	15 50
13	219	5 24 3.32	81 40 5.7		+0.09	0.006 7595		8 9	15 50

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni 13.0	Di	—0 19.78	12.38	5 23 43.53	4 8.94	+23 11 5.2	3 23.3	68.72	15 44.81
14.0	Mi	—0 7.40	12.55	5 27 52.47	4 9.11	23 14 28.5	2 58.7	68.74	15 44.71
15.0	Do	+0 5.15	12.70	5 32 1.58	4 9.25	23 17 27.2	2 34.1	68.76	15 44.62
16.0	Fr	0 17.85	12.82	5 36 10.83	4 9.38	23 20 1.3	2 9.4	68.77	15 44.54
17.0	Sa	0 30.67	12.92	5 40 20.21	4 9.48	23 22 10.7	1 44.7	68.78	15 44.46
18.0	St	0 43.59	13.01	5 44 29.69	4 9.56	23 23 55.4	1 19.9	68.79	15 44.38
19.0	Mo	+0 56.60	13.05	5 48 39.25	4 9.62	+23 25 15.3	0 55.2	68.80	15 44.31
20.0	Di	1 9.65	13.09	5 52 48.87	4 9.64	23 26 10.5	0 30.3	68.81	15 44.24
21.0	Mi	1 22.74	13.09	5 56 58.51	4 9.65	23 26 40.8	0 5.6	68.81	15 44.18
22.0	Do	1 35.83	13.07	6 1 8.16	4 9.62	23 26 46.4	0 19.2	68.81	15 44.12
23.0	Fr	1 48.90	13.01	6 5 17.78	4 9.57	23 26 27.2	0 44.1	68.80	15 44.07
24.0	Sa	2 1.91	12.94	6 9 27.35	4 9.49	23 25 43.1	1 8.8	68.79	15 44.02
25.0	St	+2 14.85	12.83	6 13 36.84	4 9.39	+23 24 34.3	1 33.4	68.78	15 43.98
26.0	Mo	2 27.68	12.69	6 17 46.23	4 9.25	23 23 0.9	1 58.1	68.76	15 43.94
27.0	Di	2 40.37	12.53	6 21 55.48	4 9.09	23 21 2.8	2 22.8	68.74	15 43.91
28.0	Mi	2 52.90	12.34	6 26 4.57	4 8.90	23 18 40.0	2 47.2	68.72	15 43.89
29.0	Do	3 5.24	12.12	6 30 13.47	4 8.68	23 15 52.8	3 11.8	68.69	15 43.87
30.0	Fr	3 17.36	11.89	6 34 22.15	4 8.44	23 12 41.0	3 36.1	68.66	15 43.85
Juli 1.0	Sa	+3 29.25	11.62	6 38 30.59	4 8.17	+23 9 4.9	4 0.4	68.63	15 43.85
2.0	St	3 40.87	11.33	6 42 38.76	4 7.89	23 5 4.5	4 24.5	68.60	15 43.84
3.0	Mo	3 52.20	11.03	6 46 46.65	4 7.59	23 0 40.0	4 48.7	68.56	15 43.84
4.0	Di	4 3.23	10.70	6 50 54.24	4 7.26	22 55 51.3	5 12.6	68.52	15 43.85
5.0	Mi	4 13.93	10.37	6 55 1.50	4 6.92	22 50 38.7	5 36.4	68.47	15 43.86
6.0	Do	4 24.30	10.01	6 59 8.42	4 6.57	22 45 2.3	6 0.2	68.42	15 43.87
7.0	Fr	+4 34.31	9.64	7 3 14.99	4 6.19	+22 39 2.1	6 23.7	68.37	15 43.88
8.0	Sa	4 43.95	9.25	7 7 21.18	4 5.81	22 32 38.4	6 47.1	68.32	15 43.90
9.0	St	4 53.20	8.86	7 11 26.99	4 5.42	22 25 51.3	7 10.4	68.27	15 43.92
10.0	Mo	5 2.06	8.45	7 15 32.41	4 5.00	22 18 40.9	7 33.5	68.21	15 43.95
11.0	Di	5 10.51	8.02	7 19 37.41	4 4.57	22 11 7.4	7 56.4	68.15	15 43.98
12.0	Mi	5 18.53	7.58	7 23 41.98	4 4.14	22 3 11.0	8 19.1	68.09	15 44.01
13.0	Do	+5 26.11	7.13	7 27 46.12	4 3.69	+21 54 51.9	8 41.7	68.02	15 44.05
14.0	Fr	5 33.24	6.67	7 31 49.81	4 3.23	21 46 10.2	9 4.1	67.96	15 44.08
15.0	Sa	5 39.91	6.19	7 35 53.04	4 2.75	21 37 6.1	9 26.2	67.89	15 44.12
16.0	St	5 46.10	5.71	7 39 55.79	4 2.26	21 27 39.9	9 48.2	67.82	15 44.17
17.0	Mo	5 51.81	5.20	7 43 58.05	4 1.76	21 17 51.7	10 9.9	67.74	15 44.22
18.0	Di	5 57.01	4.70	7 47 59.81	4 1.25	21 7 41.8	10 31.4	67.67	15 44.28
19.0	Mi	+6 1.71	4.17	7 52 1.06	4 0.73	+20 57 10.4	10 52.6	67.60	15 44.34
20.0	Do	6 5.88	3.64	7 56 1.79	4 0.19	20 46 17.8	11 13.7	67.52	15 44.40
21.0	Fr	6 9.52	3.09	8 0 1.98	3 59.65	20 35 4.1	11 34.5	67.44	15 44.46
22.0	Sa	6 12.61	2.54	8 4 1.63	3 59.10	20 23 29.6	11 55.0	67.36	15 44.54
23.0	St	6 15.15	1.97	8 8 0.73	3 58.52	20 11 34.6	12 15.3	67.28	15 44.62
24.0	Mo	6 17.12		8 11 59.25		19 59 19.3		67.20	15 44.70

Tag	Julian. Tag	0h mittlere Zeit Greenwich						Untergang in +50° Breite	Aufgang 0h Länge
		Sternzeit	Mittleres Äquinoktium 1922.0 Länge		Breite	log R			
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Juni 13	219	5 24 3.32	81 40 5.7	57 17.6	+0.09	0.006 7595	429	8 9	15 50
14	220	5 27 59.87	82 37 23.3	57 17.2	+0.01	0.006 8024	412	8 10	15 50
15	221	5 31 56.43	83 34 40.5	57 16.9	−0.07	0.006 8436	395	8 10	15 50
16	222	5 35 52.99	84 31 57.4	57 16.6	−0.18	0.006 8831	377	8 11	15 50
17	223	5 39 49.54	85 29 14.0	57 16.2	−0.31	0.006 9208	356	8 11	15 50
18	224	5 43 46.10	86 26 30.2	57 16.0	−0.43	0.006 9564	336	8 12	15 50
19	225	5 47 42.66	87 23 46.2	57 15.8	−0.55	0.006 9900	314	8 12	15 50
20	226	5 51 39.21	88 21 2.0	57 15.6	−0.66	0.007 0214	291	8 12	15 50
21	227	5 55 35.77	89 18 17.6	57 15.4	−0.76	0.007 0505	267	8 13	15 50
22	228	5 59 32.33	90 15 33.0	57 15.1	−0.83	0.007 0772	242	8 13	15 50
23	229	6 3 28.88	91 12 48.1	57 14.9	−0.89	0.007 1014	216	8 13	15 51
24	230	6 7 25.44	92 10 3.0	57 14.7	−0.93	0.007 1230	190	8 13	15 51
25	231	6 11 22.00	93 7 17.7	57 14.3	−0.94	0.007 1420	163	8 13	15 51
26	232	6 15 18.56	94 4 32.0	57 14.0	−0.91	0.007 1583	137	8 13	15 52
27	233	6 19 15.11	95 1 46.0	57 13.6	−0.85	0.007 1720	110	8 13	15 52
28	234	6 23 11.67	95 58 59.6	57 13.1	−0.77	0.007 1830	86	8 13	15 53
29	235	6 27 8.22	96 56 12.7	57 12.8	−0.66	0.007 1916	62	8 13	15 53
30	236	6 31 4.78	97 53 25.5	57 12.4	−0.54	0.007 1978	39	8 13	15 54
Juli 1	237	6 35 1.34	98 50 37.9	57 11.9	−0.41	0.007 2017	18	8 13	15 55
2	238	6 38 57.90	99 47 49.8	57 11.6	−0.27	0.007 2035	—2	8 12	15 55
3	239	6 42 54.45	100 45 1.4	57 11.2	−0.14	0.007 2033	20	8 12	15 56
4	240	6 46 51.01	101 42 12.6	57 11.1	−0.02	0.007 2013	37	8 12	15 57
5	241	6 50 47.56	102 39 23.7	57 10.9	+0.07	0.007 1976	53	8 11	15 58
6	242	6 54 44.12	103 36 34.6	57 10.8	+0.14	0.007 1923	68	8 11	15 58
7	243	6 58 40.68	104 33 45.4	57 10.7	+0.18	0.007 1855	84	8 10	15 59
8	244	7 2 37.23	105 30 56.1	57 10.9	+0.19	0.007 1771	98	8 10	16 0
9	245	7 6 33.79	106 28 7.0	57 11.1	+0.17	0.007 1673	112	8 9	16 1
10	246	7 10 30.35	107 25 18.1	57 11.4	+0.12	0.007 1561	128	8 8	16 2
11	247	7 14 26.90	108 22 29.5	57 11.7	+0.05	0.007 1433	143	8 8	16 3
12	248	7 18 23.46	109 19 41.2	57 12.1	−0.04	0.007 1290	159	8 7	16 4
13	249	7 22 20.02	110 16 53.3	57 12.7	−0.14	0.007 1131	176	8 6	16 5
14	250	7 26 16.57	111 14 6.0	57 13.2	−0.25	0.007 0955	194	8 5	16 6
15	251	7 30 13.13	112 11 19.2	57 13.7	−0.37	0.007 0761	212	8 5	16 7
16	252	7 34 9.68	113 8 32.9	57 14.4	−0.49	0.007 0549	232	8 4	16 8
17	253	7 38 6.24	114 5 47.3	57 15.2	−0.60	0.007 0317	251	8 3	16 9
18	254	7 42 2.80	115 3 2.5	57 15.8	−0.70	0.007 0066	273	8 2	16 11
19	255	7 45 59.35	116 0 18.3	57 16.6	−0.78	0.006 9793	296	8 1	16 12
20	256	7 49 55.91	116 57 34.9	57 17.4	−0.84	0.006 9497	318	8 0	16 13
21	257	7 53 52.46	117 54 52.3	57 18.0	−0.88	0.006 9179	343	7 58	16 14
22	258	7 57 49.02	118 52 10.3	57 18.9	−0.88	0.006 8836	369	7 57	16 16
23	259	8 1 45.57	119 49 29.2	57 19.4	−0.85	0.006 8467	394	7 56	16 17
24	260	8 5 42.13	120 46 48.6		−0.80	0.006 8073		7 55	16 18

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juli 24.0	Mo	+6 17.12	1.39	8 11 59.25	3 57.94	+19 59 19.3	12 35.3	67.20	15 44.70
25.0	Di	6 18.51	0.79	8 15 57.19	3 57.35	19 46 44.0	12 55.0	67.12	15 44.80
26.0	Mi	6 19.30	0.19	8 19 54.54	3 56.75	19 33 49.0	13 14.5	67.04	15 44.89
27.0	Do	6 19.49	0.42	8 23 51.29	3 56.13	19 20 34.5	13 33.6	66.95	15 45.00
28.0	Fr	6 19.07	1.03	8 27 47.42	3 55.52	19 7 0.9	13 52.5	66.87	15 45.11
29.0	Sa	6 18.04	1.66	8 31 42.94	3 54.90	18 53 8.4	14 11.1	66.78	15 45.22
30.0	St	+6 16.38	2.29	8 35 37.84	3 54.27	+18 38 57.3	14 29.5	66.69	15 45.33
31.0	Mo	6 14.09	2.91	8 39 32.11	3 53.64	18 24 27.8	14 47.5	66.61	15 45.45
Aug. 1.0	Di	6 11.18	3.53	8 43 25.75	3 53.02	18 9 40.3	15 5.3	66.52	15 45.58
2.0	Mi	6 7.65	4.16	8 47 18.77	3 52.40	17 54 35.0	15 22.8	66.43	15 45.71
3.0	Do	6 3.49	4.78	8 51 11.17	3 51.78	17 39 12.2	15 39.9	66.35	15 45.84
4.0	Fr	5 58.71	5.38	8 55 2.95	3 51.17	17 23 32.3	15 56.9	66.26	15 45.98
5.0	Sa	+5 53.33	6.00	8 58 54.12	3 50.55	+17 7 35.4	16 13.5	66.17	15 46.12
6.0	St	5 47.33	6.60	9 2 44.67	3 49.96	16 51 21.9	16 29.9	66.09	15 46.26
7.0	Mo	5 40.73	7.19	9 6 34.63	3 49.37	16 34 52.0	16 46.0	66.00	15 46.40
8.0	Di	5 33.54	7.77	9 10 24.00	3 48.78	16 18 6.0	17 1.7	65.91	15 46.55
9.0	Mi	5 25.77	8.35	9 14 12.78	3 48.21	16 1 4.3	17 17.2	65.83	15 46.70
10.0	Do	5 17.42	8.91	9 18 0.99	3 47.64	15 43 47.1	17 32.4	65.75	15 46.85
11.0	Fr	+5 8.51	9.47	9 21 48.63	3 47.08	+15 26 14.7	17 47.2	65.66	15 47.01
12.0	Sa	4 59.04	10.02	9 25 35.71	3 46.54	15 8 27.5	18 1.8	65.58	15 47.17
13.0	St	4 49.02	10.55	9 29 22.25	3 46.00	14 50 25.7	18 16.1	65.50	15 47.33
14.0	Mo	4 38.47	11.08	9 33 8.25	3 45.47	14 32 9.6	18 30.1	65.42	15 47.49
15.0	Di	4 27.39	11.61	9 36 53.72	3 44.95	14 13 39.5	18 43.7	65.34	15 47.66
16.0	Mi	4 15.78	12.11	9 40 38.67	3 44.44	13 54 55.8	18 57.1	65.26	15 47.83
17.0	Do	+4 3.67	12.60	9 44 23.11	3 43.95	+13 35 58.7	19 10.1	65.19	15 48.00
18.0	Fr	3 51.07	13.09	9 48 7.06	3 43.46	13 16 48.6	19 22.8	65.11	15 48.18
19.0	Sa	3 37.98	13.57	9 51 50.52	3 42.99	12 57 25.8	19 35.2	65.04	15 48.36
20.0	St	3 24.41	14.04	9 55 33.51	3 42.51	12 37 50.6	19 47.2	64.97	15 48.55
21.0	Mo	3 10.37	14.51	9 59 16.02	3 42.05	12 18 3.4	19 59.0	64.90	15 48.74
22.0	Di	2 55.86	14.95	10 2 58.07	3 41.59	11 58 4.4	20 10.4	64.83	15 48.93
23.0	Mi	+2 40.91	15.41	10 6 39.66	3 41.15	+11 37 54.0	20 21.4	64.76	15 49.13
24.0	Do	2 25.50	15.84	10 10 20.81	3 40.71	11 17 32.6	20 32.1	64.70	15 49.34
25.0	Fr	2 9.66	16.27	10 14 1.52	3 40.29	10 57 0.5	20 42.4	64.64	15 49.55
26.0	Sa	1 53.39	16.68	10 17 41.81	3 39.87	10 36 18.1	20 52.5	64.58	15 49.76
27.0	St	1 36.71	17.10	10 21 21.68	3 39.46	10 15 25.6	21 2.2	64.52	15 49.98
28.0	Mo	1 19.61	17.48	10 25 1.14	3 39.07	9 54 23.4	21 11.6	64.46	15 50.20
29.0	Di	+1 2.13	17.85	10 28 40.21	3 38.69	+ 9 33 11.8	21 20.6	64.41	15 50.42
30.0	Mi	0 44.28	18.22	10 32 18.90	3 38.34	9 11 51.2	21 29.4	64.36	15 50.64
31.0	Do	0 26.06	18.55	10 35 57.24	3 38.00	8 50 21.8	21 37.8	64.31	15 50.87
Sept. 1.0	Fr	+0 7.51	18.88	10 39 35.24	3 37.68	8 28 44.0	21 45.9	64.27	15 51.10
2.0	Sa	−0 11.37	19.17	10 43 12.92	3 37.37	8 6 58.1	21 53.7	64.22	15 51.34
3.0	St	0 30.54		10 46 50.29		7 45 4.4		64.18	15 51.57

Tag		Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge		Breite	log *R*		Untergang in +50°	Aufgang Breite 0h Länge
1922		2423	h m s	° ′ ″	′ ″	″			h m	h m
Juli	24	260	8 5 42.13	120 46 48.6	57 20.2	—0.80	0.006 8073	420	7 55	16 18
	25	261	8 9 38.68	121 44 8.8	57 20.7	—0.72	0.006 7653	446	7 54	16 19
	26	262	8 13 35.24	122 41 29.5	57 21.3	—0.60	0.006 7207	472	7 52	16 21
	27	263	8 17 31.80	123 38 50.8	57 21.9	—0.47	0.006 6735	495	7 51	16 22
	28	264	8 21 28.35	124 36 12.7	57 22.3	—0.33	0.006 6240	518	7 50	16 23
	29	265	8 25 24.90	125 33 35.0	57 22.8	—0.18	0.006 5722	540	7 48	16 25
	30	266	8 29 21.46	126 30 57.8	57 23.4	—0.05	0.006 5182	559	7 47	16 26
	31	267	8 33 18.02	127 28 21.2	57 23.9	+0.07	0.006 4623	577	7 45	16 28
Aug.	1	268	8 37 14.57	128 25 45.1	57 24.5	+0.18	0.006 4046	594	7 44	16 29
	2	269	8 41 11.12	129 23 9.6	57 25.2	+0.26	0.006 3452	610	7 42	16 30
	3	270	8 45 7.68	130 20 34.8	57 25.9	+0.30	0.006 2842	623	7 41	16 32
	4	271	8 49 4.23	131 18 0.7	57 26.7	+0.31	0.006 2219	637	7 39	16 33
	5	272	8 53 0.79	132 15 27.4	57 27.5	+0.30	0.006 1582	649	7 37	16 35
	6	273	8 56 57.34	133 12 54.9	57 28.6	+0.27	0.006 0933	662	7 36	16 36
	7	274	9 0 53.90	134 10 23.5	57 29.6	+0.19	0.006 0271	674	7 34	16 38
	8	275	9 4 50.45	135 7 53.1	57 30.8	+0.10	0.005 9597	685	7 32	16 39
	9	276	9 8 47.01	136 5 23.9	57 31.9	0.00	0.005 8912	698	7 31	16 41
	10	277	9 12 43.56	137 2 55.8	57 33.2	—0.11	0.005 8214	710	7 29	16 42
	11	278	9 16 40.12	138 0 29.0	57 34.5	—0.23	0.005 7504	723	7 27	16 44
	12	279	9 20 36.67	138 58 3.5	57 36.0	—0.34	0.005 6781	737	7 25	16 45
	13	280	9 24 33.22	139 55 39.5	57 37.4	—0.46	0.005 6044	750	7 24	16 47
	14	281	9 28 29.78	140 53 16.9	57 39.0	—0.57	0.005 5294	765	7 22	16 48
	15	282	9 32 26.33	141 50 55.9	57 40.4	—0.65	0.005 4529	780	7 20	16 49
	16	283	9 36 22.88	142 48 36.3	57 42.1	—0.71	0.005 3749	797	7 18	16 51
	17	284	9 40 19.44	143 46 18.4	57 43.6	—0.76	0.005 2952	814	7 16	16 52
	18	285	9 44 15.99	144 44 2.0	57 45.3	—0.77	0.005 2138	832	7 14	16 54
	19	286	9 48 12.54	145 41 47.3	57 46.8	—0.75	0.005 1306	852	7 12	16 55
	20	287	9 52 9.10	146 39 34.1	57 48.5	—0.69	0.005 0454	873	7 10	16 57
	21	288	9 56 5.65	147 37 22.6	57 49.9	—0.60	0.004 9581	893	7 8	16 58
	22	289	10 0 2.20	148 35 12.5	57 51.4	—0.50	0.004 8688	914	7 6	17 0
	23	290	10 3 58.76	149 33 3.9	57 52.9	—0.38	0.004 7774	936	7 4	17 1
	24	291	10 7 55.31	150 30 56.8	57 54.2	—0.24	0.004 6838	955	7 2	17 3
	25	292	10 11 51.86	151 28 51.0	57 55.5	—0.09	0.004 5883	975	7 0	17 4
	26	293	10 15 48.42	152 26 46.5	57 56.8	+0.06	0.004 4908	992	6 58	17 6
	27	294	10 19 44.97	153 24 43.3	57 58.1	+0.19	0.004 3916	1008	6 56	17 7
	28	295	10 23 41.52	154 22 41.4	57 59.4	+0.31	0.004 2908	1023	6 54	17 9
	29	296	10 27 38.07	155 20 40.8	58 0.7	+0.39	0.004 1885	1035	6 52	17 10
	30	297	10 31 34.63	156 18 41.5	58 1.9	+0.46	0.004 0850	1045	6 50	17 12
	31	298	10 35 31.18	157 16 43.4	58 3.4	+0.48	0.003 9805	1056	6 48	17 13
Sept.	1	299	10 39 27.73	158 14 46.8	58 4.9	+0.48	0.003 8749	1064	6 46	17 15
	2	300	10 43 24.28	159 12 51.7	58 6.3	+0.44	0.003 7685	1071	6 44	17 16
	3	301	10 47 20.84	160 10 58.0		+0.38	0.003 6614		6 42	17 18

Mittlere Zeit Greenwich		Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Sept.	3.0	St	— 0 30.54	19.46	10 46 50.29	3 37.10	+7 45 4.4	22 1.2	64.18	15 51.57
	4.0	Mo	0 50.00	19.72	10 50 27.39	3 36.83	7 23 3.2	22 8.4	64.14	15 51.81
	5.0	Di	1 9.72	19.95	10 54 4.22	3 36.60	7 0 54.8	22 15.3	64.11	15 52.05
	6.0	Mi	1 29.67	20.17	10 57 40.82	3 36.38	6 38 39.5	22 21.8	64.07	15 52.29
	7.0	Do	1 49.84	20.37	11 1 17.20	3 36.18	6 16 17.7	22 28.1	64.04	15 52.53
	8.0	Fr	2 10.21	20.55	11 4 53.38	3 36.01	5 53 49.6	22 34.0	64.01	15 52.76
	9.0	Sa	— 2 30.76	20.70	11 8 29.39	3 35.85	+5 31 15.6	22 39.6	63.98	15 53.00
	10.0	St	2 51.46	20.83	11 12 5.24	3 35.72	5 8 36.0	22 44.9	63.96	15 53.25
	11.0	Mo	3 12.29	20.94	11 15 40.96	3 35.61	4 45 51.1	22 49.9	63.94	15 53.49
	12.0	Di	3 33.23	21.03	11 19 16.57	3 35.52	4 23 1.2	22 54.6	63.93	15 53.74
	13.0	Mi	3 54.26	21.10	11 22 52.09	3 35.45	4 0 6.6	22 58.9	63.91	15 53.99
	14.0	Do	4 15.36	21.15	11 26 27.54	3 35.41	3 37 7.7	23 2.9	63.90	15 54.24
	15.0	Fr	— 4 36.51	21.18	11 30 2.95	3 35.37	+3 14 4.8	23 6.6	63.89	15 54.49
	16.0	Sa	4 57.69	21.19	11 33 38.32	3 35.36	2 50 58.2	23 10.0	63.89	15 54.74
	17.0	St	5 18.88	21.18	11 37 13.68	3 35.38	2 27 48.2	23 13.0	63.88	15 54.99
	18.0	Mo	5 40.06	21.15	11 40 49.06	3 35.39	2 4 35.2	23 15.6	63.88	15 55.25
	19.0	Di	6 1.21	21.11	11 44 24.45	3 35.44	1 41 19.6	23 17.9	63.88	15 55.51
	20.0	Mi	6 22.32	21.06	11 47 59.89	3 35.50	1 18 1.7	23 19.8	63.89	15 55.77
	21.0	Do	— 6 43.38	20.98	11 51 35.39	3 35.57	+0 54 41.9	23 21.5	63.90	15 56.04
	22.0	Fr	7 4.36	20.90	11 55 10.96	3 35.65	0 31 20.4	23 22.6	63.91	15 56.31
	23.0	Sa	7 25.26	20.79	11 58 46.61	3 35.76	+0 7 57.8	23 23.5	63.93	15 56.58
	24.0	St	7 46.05	20.67	12 2 22.37	3 35.88	—0 15 25.7	23 24.0	63.95	15 56.85
	25.0	Mo	8 6.72	20.54	12 5 58.25	3 36.02	0 38 49.7	23 24.2	63.97	15 57.12
	26.0	Di	8 27.26	20.38	12 9 34.27	3 36.17	1 2 13.9	23 23.9	63.99	15 57.40
	27.0	Mi	— 8 47.64	20.20	12 13 10.44	3 36.36	—1 25 37.8	23 23.3	64.02	15 57.68
	28.0	Do	9 7.84	20.00	12 16 46.80	3 36.55	1 49 1.1	23 22.5	64.05	15 57.96
	29.0	Fr	9 27.84	19.78	12 20 23.35	3 36.77	2 12 23.6	23 21.2	64.08	15 58.24
	30.0	Sa	9 47.62	19.54	12 24 0.12	3 37.01	2 35 44.8	23 19.6	64.12	15 58.52
Okt.	1.0	St	10 7.16	19.27	12 27 37.13	3 37.28	2 59 4.4	23 17.7	64.16	15 58.80
	2.0	Mo	10 26.43	18.98	12 31 14.41	3 37.57	3 22 22.1	23 15.4	64.20	15 59.08
	3.0	Di	—10 45.41	18.68	12 34 51.98	3 37.88	—3 45 37.5	23 12.8	64.25	15 59.36
	4.0	Mi	11 4.09	18.34	12 38 29.86	3 38.21	4 8 50.3	23 9.8	64.30	15 59.64
	5.0	Do	11 22.43	17.98	12 42 8.07	3 38.57	4 32 0.1	23 6.5	64.35	15 59.91
	6.0	Fr	11 40.41	17.60	12 45 46.64	3 38.95	4 55 6.6	23 2.9	64.41	16 0.19
	7.0	Sa	11 58.01	17.20	12 49 25.59	3 39.35	5 18 9.5	22 58.8	64.46	16 0.47
	8.0	St	12 15.21	16.77	12 53 4.94	3 39.78	5 41 8.3	22 54.5	64.52	16 0.75
	9.0	Mo	—12 31.98	16.32	12 56 44.72	3 40.23	—6 4 2.8	22 49.7	64.59	16 1.02
	10.0	Di	12 48.30	15.85	13 0 24.95	3 40.70	6 26 52.5	22 44.7	64.66	16 1.29
	11.0	Mi	13 4.15	15.36	13 4 5.65	3 41.19	6 49 37.2	22 39.3	64.73	16 1.56
	12.0	Do	13 19.51	14.85	13 7 46.84	3 41.71	7 12 16.5	22 33.4	64.80	16 1.83
	13.0	Fr	13 34.36	14.32	13 11 28.55	3 42.24	7 34 49.9	22 27.3	64.87	16 2.10
	14.0	Sa	13 48.68		13 15 10.79		7 57 17.2		64.95	16 2.37

Tag	Julian. Tag	0ʰ mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge		Breite	log R		Untergang in +50° Breite, 0ʰ Länge	Aufgang in +50° Breite, 0ʰ Länge
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Sept. ● 3	301	10 47 20.84	160 10 58.0	58 7.9	+0.38	0.003 6614	1077	6 42	17 18
4	302	10 51 17.39	161 9 5.9	58 9.6	+0.30	0.003 5537	1083	6 39	17 19
5	303	10 55 13.94	162 7 15.5	58 11.2	+0.20	0.003 4454	1089	6 37	17 21
6	304	10 59 10.49	163 5 26.7	58 13.0	+0.09	0.003 3365	1093	6 35	17 22
7	305	11 3 7.04	164 3 39.7	58 14.8	−0.03	0.003 2272	1098	6 33	17 24
8	306	11 7 3.60	165 1 54.5	58 16.7	−0.15	0.003 1174	1103	6 31	17 25
9	307	11 11 0.15	166 0 11.2	58 18.7	−0.27	0.003 0071	1108	6 29	17 27
10	308	11 14 56.70	166 58 29.9	58 20.8	−0.37	0.002 8963	1113	6 27	17 28
11	309	11 18 53.25	167 56 50.7	58 22.7	−0.46	0.002 7850	1119	6 24	17 30
12	310	11 22 49.80	168 55 13.4	58 24.8	−0.53	0.002 6731	1125	6 22	17 31
13	311	11 26 46.36	169 53 38.2	58 27.0	−0.57	0.002 5606	1131	6 20	17 33
14	312	11 30 42.91	170 52 5.2	58 29.1	−0.59	0.002 4475	1140	6 18	17 34
15	313	11 34 39.46	171 50 34.3	58 31.4	−0.58	0.002 3335	1149	6 16	17 36
16	314	11 38 36.01	172 49 5.7	58 33.6	−0.54	0.002 2186	1158	6 13	17 37
17	315	11 42 32.56	173 47 39.3	58 35.6	−0.46	0.002 1028	1169	6 11	17 39
18	316	11 46 29.12	174 46 14.9	58 37.8	−0.36	0.001 9859	1181	6 9	17 40
19	317	11 50 25.67	175 44 52.7	58 40.0	−0.22	0.001 8678	1193	6 7	17 42
20	318	11 54 22.22	176 43 32.7	58 41.9	−0.08	0.001 7485	1205	6 5	17 43
21	319	11 58 18.77	177 42 14.6	58 43.8	+0.07	0.001 6280	1218	6 2	17 45
22	320	12 2 15.32	178 40 58.4	58 45.7	+0.22	0.001 5062	1230	6 0	17 46
23	321	12 6 11.87	179 39 44.1	58 47.6	+0.35	0.001 3832	1240	5 58	17 48
24	322	12 10 8.42	180 38 31.7	58 49.3	+0.48	0.001 2592	1249	5 56	17 49
25	323	12 14 4.98	181 37 21.0	58 51.0	+0.58	0.001 1343	1257	5 53	17 51
26	324	12 18 1.53	182 36 12.0	58 52.7	+0.65	0.001 0086	1262	5 51	17 52
27	325	12 21 58.08	183 35 4.7	58 54.5	+0.69	0.000 8824	1266	5 49	17 54
28	326	12 25 54.63	184 33 59.2	58 56.2	+0.69	0.000 7558	1268	5 47	17 55
29	327	12 29 51.18	185 32 55.4	58 57.9	+0.68	0.000 6290	1269	5 45	17 57
30	328	12 33 47.73	186 31 53.3	58 59.7	+0.64	0.000 5021	1268	5 42	17 58
Okt. 1	329	12 37 44.29	187 30 53.0	59 1.5	+0.55	0.000 3753	1266	5 40	18 0
2	330	12 41 40.84	188 29 54.5	59 3.4	+0.45	0.000 2487	1263	5 38	18 2
3	331	12 45 37.39	189 28 57.9	59 5.4	+0.34	0.000 1224	1260	5 36	18 3
4	332	12 49 33.94	190 28 3.3	59 7.3	+0.22	9.999 9964	1256	5 34	18 5
5	333	12 53 30.49	191 27 10.6	59 9.4	+0.11	9.999 8708	1251	5 32	18 6
6	334	12 57 27.04	192 26 20.0	59 11.3	−0.01	9.999 7457	1245	5 29	18 8
7	335	13 1 23.60	193 25 31.3	59 13.5	−0.13	9.999 6212	1239	5 27	18 9
8	336	13 5 20.15	194 24 44.8	59 15.8	−0.23	9.999 4973	1234	5 25	18 11
9	337	13 9 16.70	195 24 0.6	59 17.9	−0.30	9.999 3739	1229	5 23	18 12
10	338	13 13 13.25	196 23 18.5	59 20.1	−0.35	9.999 2510	1223	5 21	18 14
11	339	13 17 9.81	197 22 38.6	59 22.5	−0.38	9.999 1287	1219	5 19	18 16
12	340	13 21 6.36	198 22 1.1	59 24.7	−0.38	9.999 0068	1214	5 17	18 18
13	341	13 25 2.91	199 21 25.8	59 27.1	−0.34	9.998 8854	1211	5 15	18 19
14	342	13 28 59.46	200 20 52.9		−0.28	9.998 7643		5 13	18 20

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt. 14.0	Sa	−13 48.68	13.76	13 15 10.79	3 42.79	−7 57 17.2	22 20.7	64.95	16 2.37
15.0	St	14 2.44	13.19	13 18 53.58	3 43.36	8 19 37.9	22 13.8	65.03	16 2.64
16.0	Mo	14 15.63	12.61	13 22 36.94	3 43.94	8 41 51.7	22 6.5	65.11	16 2.90
17.0	Di	14 28.24	12.01	13 26 20.88	3 44.54	9 3 58.2	21 58.7	65.19	16 3.17
18.0	Mi	14 40.25	11.39	13 30 5.42	3 45.16	9 25 56.9	21 50.7	65.28	16 3.43
19.0	Do	14 51.64	10.77	13 33 50.58	3 45.78	9 47 47.6	21 42.1	65.37	16 3.70
20.0	Fr	−15 2.41	10.14	13 37 36.36	3 46.42	−10 9 29.7	21 33.1	65.46	16 3.97
21.0	Sa	15 12.55	9.49	13 41 22.78	3 47.07	10 31 2.8	21 23.9	65.55	16 4.24
22.0	St	15 22.04	8.83	13 45 9.85	3 47.72	10 52 26.7	21 14.0	65.65	16 4.51
23.0	Mo	15 30.87	8.16	13 48 57.57	3 48.39	11 13 40.7	21 3.9	65.75	16 4.78
24.0	Di	15 39.03	7.48	13 52 45.96	3 49.08	11 34 44.6	20 53.2	65.85	16 5.05
25.0	Mi	15 46.51	6.78	13 56 35.04	3 49.77	11 55 37.8	20 42.3	65.95	16 5.32
26.0	Do	−15 53.29	6.08	14 0 24.81	3 50.47	−12 16 20.1	20 30.9	66.05	16 5.59
27.0	Fr	15 59.37	5.36	14 4 15.28	3 51.19	12 36 51.0	20 19.1	66.16	16 5.86
28.0	Sa	16 4.73	4.63	14 8 6.47	3 51.92	12 57 10.1	20 6.9	66.27	16 6.12
29.0	St	16 9.36	3.89	14 11 58.39	3 52.67	13 17 17.0	19 54.3	66.37	16 6.39
30.0	Mo	16 13.25	3.12	14 15 51.06	3 53.43	13 37 11.3	19 41.3	66.48	16 6.65
31.0	Di	16 16.37	2.36	14 19 44.49	3 54.20	13 56 52.6	19 27.8	66.59	16 6.90
Nov. 1.0	Mi	−16 18.73	1.57	14 23 38.69	3 54.98	−14 16 20.4	19 14.1	66.71	16 7.16
2.0	Do	16 20.30	0.77	14 27 33.67	3 55.78	14 35 34.5	19 0.0	66.82	16 7.41
3.0	Fr	16 21.07	0.03	14 31 29.45	3 56.59	14 54 34.5	18 45.3	66.93	16 7.66
4.0	Sa	16 21.04	0.85	14 35 26.04	3 57.40	15 13 19.8	18 30.3	67.05	16 7.91
5.0	St	16 20.19	1.67	14 39 23.44	3 58.23	15 31 50.1	18 15.0	67.17	16 8.15
6.0	Mo	16 18.52	2.52	14 43 21.67	3 59.07	15 50 5.1	17 59.2	67.28	16 8.39
7.0	Di	−16 16.00	3.36	14 47 20.74	3 59.91	−16 8 4.3	17 43.0	67.40	16 8.62
8.0	Mi	16 12.64	4.21	14 51 20.65	4 0.77	16 25 47.3	17 26.5	67.52	16 8.86
9.0	Do	16 8.43	5.08	14 55 21.42	4 1.64	16 43 13.8	17 9.5	67.64	16 9.09
10.0	Fr	16 3.35	5.95	14 59 23.06	4 2.49	17 0 23.3	16 52.2	67.76	16 9.31
11.0	Sa	15 57.40	6.81	15 3 25.55	4 3.37	17 17 15.5	16 34.5	67.88	16 9.53
12.0	St	15 50.59	7.68	15 7 28.92	4 4.24	17 33 50.0	16 16.3	68.00	16 9.75
13.0	Mo	−15 42.91	8.55	15 11 33.16	4 5.10	−17 50 6.3	15 57.8	68.12	16 9.96
14.0	Di	15 34.36	9.42	15 15 38.26	4 5.98	18 6 4.1	15 38.8	68.23	16 10.17
15.0	Mi	15 24.94	10.28	15 19 44.24	4 6.84	18 21 42.9	15 19.5	68.35	16 10.38
16.0	Do	15 14.66	11.14	15 23 51.08	4 7.69	18 37 2.4	14 59.8	68.47	16 10.59
17.0	Fr	15 3.52	11.98	15 27 58.77	4 8.53	18 52 2.2	14 39.7	68.59	16 10.80
18.0	Sa	14 51.54	12.81	15 32 7.30	4 9.37	19 6 41.9	14 19.2	68.71	16 11.00
19.0	St	−14 38.73	13.64	15 36 16.67	4 10.20	−19 21 1.1	13 58.3	68.82	16 11.20
20.0	Mo	14 25.09	14.45	15 40 26.87	4 11.00	19 34 59.4	13 36.9	68.93	16 11.40
21.0	Di	14 10.64	15.24	15 44 37.87	4 11.80	19 48 36.3	13 15.3	69.05	16 11.60
22.0	Mi	13 55.40	16.02	15 48 49.67	4 12.58	20 1 51.6	12 53.3	69.16	16 11.80
23.0	Do	13 39.38	16.80	15 53 2.25	4 13.35	20 14 44.9	12 30.9	69.27	16 11.99
24.0	Fr	13 22.58		15 57 15.60		20 27 15.8		69.38	16 12.18

Tag	Julian. Tag	Sternzeit	Länge	Diff.	Breite	log *R*	Diff.	Unter-gang	Auf-gang
		0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge		Mittleres Äquinoktium 1922.0: Breite			in +50° Breite 0h Länge	in +50° Breite 0h Länge
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Okt. 14	342	13 28 59.46	200 20 52.9	59 29.5	−0.28	9.998 7643	1209	5 13	18 20
15	343	13 32 56.02	201 20 22.4	59 31.8	−0.18	9.998 6434	1209	5 11	18 22
16	344	13 36 52.57	202 19 54.2	59 34.0	−0.06	9.998 5225	1208	5 9	18 24
17	345	13 40 49.12	203 19 28.2	59 36.3	+0.07	9.998 4017	1208	5 7	18 25
18	346	13 44 45.67	204 19 4.5	59 38.5	+0.21	9.998 2809	1210	5 5	18 27
19	347	13 48 42.23	205 18 43.0	59 40.5	+0.36	9.998 1599	1212	5 3	18 28
20	348	13 52 38.78	206 18 23.5	59 42.6	+0.52	9.998 0387	1214	5 1	18 30
21	349	13 56 35.33	207 18 6.1	59 44.5	+0.65	9.997 9173	1215	4 59	18 32
22	350	14 0 31.88	208 17 50.6	59 46.3	+0.74	9.997 7958	1215	4 57	18 33
23	351	14 4 28.44	209 17 36.9	59 48.2	+0.82	9.997 6743	1214	4 55	18 35
24	352	14 8 24.99	210 17 25.1	59 49.8	+0.87	9.997 5529	1211	4 53	18 37
25	353	14 12 21.54	211 17 14.9	59 51.5	+0.89	9.997 4318	1206	4 51	18 38
26	354	14 16 18.10	212 17 6.4	59 53.2	+0.88	9.997 3112	1200	4 49	18 40
27	355	14 20 14.65	213 16 59.6	59 54.8	+0.83	9.997 1912	1191	4 47	18 42
28	356	14 24 11.20	214 16 54.4	59 56.5	+0.77	9.997 0721	1183	4 46	18 43
29	357	14 28 7.76	215 16 50.9	59 58.1	+0.69	9.996 9538	1172	4 44	18 45
30	358	14 32 4.31	216 16 49.0	59 59.9	+0.58	9.996 8366	1161	4 42	18 46
31	359	14 36 0.86	217 16 48.9	60 1.5	+0.46	9.996 7205	1147	4 40	18 48
Nov. 1	360	14 39 57.42	218 16 50.4	60 3.1	+0.35	9.996 6058	1133	4 38	18 50
2	361	14 43 53.97	219 16 53.5	60 4.9	+0.24	9.996 4925	1119	4 37	18 51
3	362	14 47 50.52	220 16 58.4	60 6.8	+0.12	9.996 3806	1103	4 35	18 53
4	363	14 51 47.08	221 17 5.2	60 8.5	+0.02	9.996 2703	1087	4 33	18 55
5	364	14 55 43.63	222 17 13.7	60 10.4	−0.06	9.996 1616	1070	4 32	18 57
6	365	14 59 40.19	223 17 24.1	60 12.2	−0.12	9.996 0546	1054	4 30	18 58
7	366	15 3 36.74	224 17 36.3	60 14.1	−0.14	9.995 9492	1037	4 28	19 0
8	367	15 7 33.30	225 17 50.4	60 16.1	−0.15	9.995 8455	1020	4 27	19 2
9	368	15 11 29.85	226 18 6.5	60 18.1	−0.12	9.995 7435	1005	4 25	19 3
10	369	15 15 26.40	227 18 24.6	60 20.0	−0.07	9.995 6430	989	4 24	19 5
11	370	15 19 22.96	228 18 44.6	60 22.0	+0.02	9.995 5441	976	4 22	19 7
12	371	15 23 19.51	229 19 6.6	60 24.0	+0.13	9.995 4465	962	4 21	19 8
13	372	15 27 16.07	230 19 30.6	60 26.0	+0.27	9.995 3503	950	4 20	19 10
14	373	15 31 12.62	231 19 56.6	60 27.8	+0.41	9.995 2553	940	4 18	19 11
15	374	15 35 9.18	232 20 24.4	60 29.7	+0.56	9.995 1613	929	4 17	19 13
16	375	15 39 5.73	233 20 54.1	60 31.4	+0.69	9.995 0684	920	4 16	19 15
17	376	15 43 2.29	234 21 25.5	60 33.1	+0.82	9.994 9764	912	4 15	19 16
18	377	15 46 58.84	235 21 58.6	60 34.8	+0.93	9.994 8852	904	4 13	19 18
19	378	15 50 55.40	236 22 33.4	60 36.1	+1.01	9.994 7948	895	4 12	19 20
20	379	15 54 51.96	237 23 9.5	60 37.5	+1.06	9.994 7053	885	4 11	19 21
21	380	15 58 48.51	238 23 47.0	60 38.8	+1.09	9.994 6168	875	4 10	19 23
22	381	16 2 45.07	239 24 25.8	60 40.0	+1.08	9.994 5293	862	4 9	19 24
23	382	16 6 41.62	240 25 5.8	60 41.2	+1.04	9.994 4431	849	4 8	19 26
24	383	16 10 38.18	241 25 47.0		+0.97	9.994 3582		4 7	19 27

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1922		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Nov. 24.0	Fr	−13 22.58	17.54	15 57 15.60	4 14.10	−20 27 15.8	12 8.1	69.38	16 12.18
25.0	Sa	13 5.04	18.29	16 1 29.70	4 14.84	20 39 23.9	11 45.0	69.49	16 12.37
26.0	St	12 46.75	19.02	16 5 44.54	4 15.57	20 51 8.9	11 21.6	69.59	16 12.55
27.0	Mo	12 27.73	19.72	16 10 0.11	4 16.29	21 2 30.5	10 57.9	69.69	16 12.73
28.0	Di	12 8.01	20.42	16 14 16.40	4 16.98	21 13 28.4	10 33.7	69.79	16 12.90
29.0	Mi	11 47.59	21.11	16 18 33.38	4 17.65	21 24 2.1	10 9.4	69.88	16 13.07
30.0	Do	−11 26.48	21.76	16 22 51.03	4 18.32	−21 34 11.5	9 44.8	69.97	16 13.23
Dez. 1.0	Fr	11 4.72	22.40	16 27 9.35	4 18.96	21 43 56.3	9 19.8	70.06	16 13.39
2.0	Sa	10 42.32	23.03	16 31 28.31	4 19.59	21 53 16.1	8 54.5	70.15	16 13.55
3.0	St	10 19.29	23.64	16 35 47.90	4 20.20	22 2 10.6	8 29.1	70.24	16 13.70
4.0	Mo	9 55.65	24.23	16 40 8.10	4 20.78	22 10 39.7	8 3.3	70.32	16 13.85
5.0	Di	9 31.42	24.79	16 44 28.88	4 21.35	22 18 43.0	7 37.3	70.40	16 13.99
6.0	Mi	− 9 6.63	25.34	16 48 50.23	4 21.89	−22 26 20.3	7 11.1	70.48	16 14.12
7.0	Do	8 41.29	25.86	16 53 12.12	4 22.42	22 33 31.4	6 44.6	70.55	16 14.25
8.0	Fr	8 15.43	26.36	16 57 34.54	4 22.92	22 40 16.0	6 17.9	70.61	16 14.37
9.0	Sa	7 49.07	26.84	17 1 57.46	4 23.39	22 46 33.9	5 51.1	70.67	16 14.49
10.0	St	7 22.23	27.28	17 6 20.85	4 23.85	22 52 25.0	5 24.1	70.73	16 14.60
11.0	Mo	6 54.95	27.71	17 10 44.70	4 24.26	22 57 49.1	4 56.8	70.79	16 14.70
12.0	Di	− 6 27.24	28.09	17 15 8.96	4 24.65	−23 2 45.9	4 29.4	70.84	16 14.81
13.0	Mi	5 59.15	28.45	17 19 33.61	4 25.01	23 7 15.3	4 1.9	70.89	16 14.91
14.0	Do	5 30.70	28.77	17 23 58.62	4 25.33	23 11 17.2	3 34.1	70.93	16 15.00
15.0	Fr	5 1.93	29.06	17 28 23.95	4 25.61	23 14 51.3	3 6.4	70.97	16 15.09
16.0	Sa	4 32.87	29.31	17 32 49.56	4 25.87	23 17 57.7	2 38.5	71.00	16 15.17
17.0	St	4 3.56	29.52	17 37 15.43	4 26.08	23 20 36.2	2 10.4	71.03	16 15.25
18.0	Mo	− 3 34.04	29.69	17 41 41.51	4 26.24	−23 22 46.6	1 42.4	71.06	16 15.33
19.0	Di	3 4.35	29.83	17 46 7.75	4 26.39	23 24 29.0	1 14.2	71.08	16 15.41
20.0	Mi	2 34.52	29.92	17 50 34.14	4 26.48	23 25 43.2	0 46.0	71.09	16 15.48
21.0	Do	2 4.60	29.98	17 55 0.62	4 26.53	23 26 29.2	0 17.7	71.10	16 15.55
22.0	Fr	1 34.62	29.99	17 59 27.15	4 26.55	23 26 46.9	0 10.6	71.11	16 15.61
23.0	Sa	1 4.63	29.98	18 3 53.70	4 26.54	23 26 36.3	0 38.8	71.12	16 15.67
24.0	St	− 0 34.65	29.93	18 8 20.24	4 26.49	−23 25 57.5	1 7.1	71.12	16 15.73
25.0	Mo	− 0 4.72	29.85	18 12 46.73	4 26.40	23 24 50.4	1 35.4	71.11	16 15.79
26.0	Di	+ 0 25.13	29.72	18 17 13.13	4 26.28	23 23 15.0	2 3.5	71.10	16 15.84
27.0	Mi	0 54.85	29.57	18 21 39.41	4 26.13	23 21 11.5	2 31.7	71.08	16 15.88
28.0	Do	1 24.42	29.38	18 26 5.54	4 25.94	23 18 39.8	2 59.8	71.06	16 15.91
29.0	Fr	1 53.80	29.17	18 30 31.48	4 25.72	23 15 40.0	3 27.7	71.04	16 15.94
30.0	Sa	+ 2 22.97	28.91	18 34 57.20	4 25.47	−23 12 12.3	3 55.6	71.01	16 15.97
31.0	St	2 51.88	28.64	18 39 22.67	4 25.19	23 8 16.7	4 23.4	70.98	16 15.99
32.0	Mo	3 20.52		18 43 47.86		23 3 53.3		70.94	16 16.00

Tag	Julian. Tag	0h mittlere Zeit Greenwich: Sternzeit	Mittleres Äquinoktium 1922.0: Länge	Diff.	Breite	log R	Diff.	Untergang in +50°	Aufgang 0h Breite 0h Länge
1922	2423	h m s	° ′ ″	′ ″	″			h m	h m
Nov. 24	383	16 10 38.18	241 25 47.0	60 42.2	+0.97	9.994 3582	834	4 7	19 27
25	384	16 14 34.74	242 26 29.2	60 43.3	+0.89	9.994 2748	818	4 6	19 29
26	385	16 18 31.29	243 27 12.5	60 44.4	+0.81	9.994 1930	800	4 5	19 30
27	386	16 22 27.85	244 27 56.9	60 45.4	+0.70	9.994 1130	781	4 4	19 32
28	387	16 26 24.40	245 28 42.3	60 46.4	+0.58	9.994 0349	761	4 4	19 33
29	388	16 30 20.96	246 29 28.7	60 47.4	+0.47	9.993 9588	739	4 3	19 34
30	389	16 34 17.52	247 30 16.1	60 48.4	+0.35	9.993 8849	718	4 2	19 36
Dez. 1	390	16 38 14.07	248 31 4.5	60 49.4	+0.26	9.993 8131	694	4 2	19 37
2	391	16 42 10.63	249 31 53.9	60 50.5	+0.18	9.993 7437	670	4 1	19 38
3	392	16 46 7.19	250 32 44.4	60 51.4	+0.11	9.993 6767	645	4 1	19 40
4	393	16 50 3.74	251 33 35.8	60 52.5	+0.08	9.993 6122	621	4 0	19 41
5	394	16 54 0.30	252 34 28.3	60 53.7	+0.08	9.993 5501	594	4 0	19 42
6	395	16 57 56.86	253 35 22.0	60 54.7	+0.09	9.993 4907	570	3 59	19 43
7	396	17 1 53.41	254 36 16.7	60 55.9	+0.14	9.993 4337	545	3 59	19 44
8	397	17 5 49.97	255 37 12.6	60 57.1	+0.22	9.993 3792	520	3 59	19 46
9	398	17 9 46.53	256 38 9.7	60 58.3	+0.33	9.993 3272	496	3 59	19 47
10	399	17 13 43.08	257 39 8.0	60 59.4	+0.45	9.993 2776	475	3 58	19 48
11	400	17 17 39.64	258 40 7.4	61 0.6	+0.58	9.993 2301	454	3 58	19 49
12	401	17 21 36.20	259 41 8.0	61 1.6	+0.72	9.993 1847	434	3 58	19 50
13	402	17 25 32.76	260 42 9.6	61 2.7	+0.86	9.993 1413	416	3 58	19 50
14	403	17 29 29.31	261 43 12.3	61 3.8	+0.99	9.993 0997	399	3 58	19 51
15	404	17 33 25.87	262 44 16.1	61 4.6	+1.10	9.993 0598	382	3 58	19 52
16	405	17 37 22.43	263 45 20.7	61 5.4	+1.19	9.993 0216	367	3 59	19 53
17	406	17 41 18.98	264 46 26.1	61 6.1	+1.23	9.992 9849	351	3 59	19 54
18	407	17 45 15.54	265 47 32.2	61 6.7	+1.25	9.992 9498	337	3 59	19 54
19	408	17 49 12.10	266 48 38.9	61 7.2	+1.25	9.992 9161	321	3 59	19 55
20	409	17 53 8.66	267 49 46.1	61 7.5	+1.20	9.992 8840	304	4 0	19 56
21	410	17 57 5.21	268 50 53.6	61 7.9	+1.13	9.992 8536	287	4 0	19 56
22	411	18 1 1.77	269 52 1.5	61 8.0	+1.05	9.992 8249	269	4 1	19 57
23	412	18 4 58.33	270 53 9.5	61 8.3	+0.96	9.992 7980	250	4 1	19 57
24	413	18 8 54.89	271 54 17.8	61 8.3	+0.84	9.992 7730	229	4 2	19 58
25	414	18 12 51.44	272 55 26.1	61 8.4	+0.72	9.992 7501	207	4 2	19 58
26	415	18 16 48.00	273 56 34.5	61 8.5	+0.61	9.992 7294	184	4 3	19 58
27	416	18 20 44.56	274 57 43.0	61 8.3	+0.50	9.992 7110	161	4 4	19 58
28	417	18 24 41.12	275 58 51.3	61 8.4	+0.40	9.992 6949	136	4 5	19 59
29	418	18 28 37.67	276 59 59.7	61 8.4	+0.31	9.992 6813	111	4 5	19 59
30	419	18 32 34.23	278 1 8.1	61 8.2	+0.23	9.992 6702	84	4 6	19 59
31	420	18 36 30.79	279 2 16.3	61 8.2	+0.18	9.992 6618	56	4 7	19 59
32	421	18 40 27.34	280 3 24.5		+0.16	9.992 6562		4 8	19 59

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Jan. 1.0	+0.176 1518	7171.9		−0.887 5101	1201.7		−0.384 9660	521.0	
1.5	0.184 7510	7160.0	+7060	0.886 0333	1259.5	+1241	0.384 3257	546.1	+ 540
2.0	0.193 3356	7147.5		0.884 4873	1317.1		0.383 6554	571.1	
2.5	0.201 9048	7134.4	7035	0.882 8723	1374.5	1356	0.382 9551	596.0	590
3.0	0.210 4580	7120.8		0.881 1885	1431.7		0.382 2250	620.8	
3.5	0.218 9944	7106.5	7008	0.879 4360	1488.9	1470	0.381 4651	645.6	640
4.0	+0.227 5134	7091.8		−0.877 6150	1546.0		−0.380 6755	670.4	
4.5	0.236 0144	7076.5	+6978	0.875 7257	1602.9	+1584	0.379 8562	695.1	+ 690
5.0	0.244 4967	7060.6		0.873 7682	1659.6		0.379 0073	719.6	
5.5	0.252 9596	7044.1	6946	0.871 7427	1716.1	1698	0.378 1291	744.1	739
6.0	0.261 4024	7027.1		0.869 6495	1772.5		0.377 2215	768.6	
6.5	0.269 8245	7009.6	6912	0.867 4886	1828.8	1811	0.376 2846	793.0	788
7.0	+0.278 2252	6991.5		−0.865 2604	1884.9		−0.375 3184	817.3	
7.5	0.286 6039	6972.9	+6876	0.862 9650	1940.7	+1924	0.374 3231	841.6	+ 837
8.0	0.294 9600	6953.8		0.860 6028	1996.3		0.373 2987	865.7	
8.5	0.303 2928	6934.2	6838	0.858 1739	2051.8	2036	0.372 2454	889.8	886
9.0	0.311 6018	6914.1		0.855 6785	2107.1		0.371 1632	913.8	
9.5	0.319 8864	6893.4	6797	0.853 1169	2162.2	2147	0.370 0523	937.7	934
10.0	+0.328 1458	6872.2		−0.850 4892	2217.2		−0.368 9127	961.6	
10.5	0.336 3795	6850.6	+6754	0.847 7958	2271.9	+2258	0.367 7445	985.3	+ 982
11.0	0.344 5870	6828.4		0.845 0368	2326.4		0.366 5479	1009.0	
11.5	0.352 7675	6805.7	6710	0.842 2125	2380.7	2368	0.365 3229	1032.6	1030
12.0	0.360 9206	6782.6		0.839 3231	2434.9		0.364 0697	1056.1	
12.5	0.369 0457	6759.1	6664	0.836 3689	2488.8	2477	0.362 7883	1079.5	1077
13.0	+0.377 1423	6735.1		−0.833 3501	2542.5		−0.361 4789	1102.9	
13.5	0.385 2098	6710.6	+6615	0.830 2669	2596.1	+2585	0.360 1414	1126.2	+1124
14.0	0.393 2475	6685.5		0.827 1196	2649.4		0.358 7761	1149.4	
14.5	0.401 2549	6660.0	6565	0.823 9083	2702.6	2692	0.357 3830	1172.5	1171
15.0	0.409 2314	6634.0		0.820 6333	2755.6		0.355 9622	1195.5	
15.5	0.417 1764	6607.6	6512	0.817 2948	2808.4	2799	0.354 5138	1218.4	1217
16.0	+0.425 0895	6580.8		−0.813 8930	2861.1		−0.353 0379	1241.3	
16.5	0.432 9700	6553.3	+6457	0.810 4281	2913.6	+2905	0.351 5347	1264.0	+1263
17.0	0.440 8172	6525.3		0.806 9004	2965.9		0.350 0043	1286.7	
17.5	0.448 6306	6496.9	6400	0.803 3101	3017.9	3010	0.348 4467	1309.3	1309
18.0	0.456 4096	6468.0		0.799 6575	3069.8		0.346 8619	1331.9	
18.5	0.464 1536	6438.5	6341	0.795 9427	3121.5	3114	0.345 2502	1354.3	1354
19.0	+0.471 8619	6408.6		−0.792 1660	3173.0		−0.343 6117	1376.6	
19.5	0.479 5340	6378.2	+6280	0.788 3276	3224.2	+3217	0.341 9464	1398.9	+1399
20.0	0.487 1694	6347.3		0.784 4279	3275.2		0.340 2544	1421.0	
20.5	0.494 7673	6315.8	6217	0.780 4671	3326.0	3319	0.338 5361	1442.9	1443
21.0	0.502 3272	6283.8		0.776 4454	3376.6		0.336 7914	1464.8	
21.5	0.509 8483	6251.3	6153	0.772 3632	3426.9	3420	0.335 0204	1486.7	1487

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Jan. 21.5	+0.509 8483	6251.3	+6153	−0.772 3632	3426.9	+3420	−0.335 0204	1486.7	+1487
22.0	0.517 3301	6218.3		0.768 2209	3476.9		0.333 2233	1508.4	
22.5	0.524 7720	6184.8	6086	0.764 0186	3526.7	3520	0.331 4003	1529.9	1530
23.0	0.532 1734	6150.7		0.759 7566	3576.3		0.329 5515	1551.4	
23.5	0.539 5336	6116.2	6018	0.755 4354	3625.6	3619	0.327 6769	1572.8	1573
24.0	0.546 8520	6081.1		0.751 0552	3674.6		0.325 7768	1594.0	
24.5	+0.554 1280	6045.6	+5948	−0.746 6165	3723.3	+3717	−0.323 8513	1615.1	+1616
25.0	0.561 3612	6009.6		0.742 1195	3771.7		0.321 9006	1636.0	
25.5	0.568 5508	5973.0	5876	0.737 5646	3819.8	3813	0.319 9249	1656.9	1658
26.0	0.575 6963	5936.0		0.732 9522	3867.6		0.317 9242	1677.6	
26.5	0.582 7971	5898.5	5802	0.728 2827	3915.0	3909	0.315 8988	1698.1	1700
27.0	0.589 8525	5860.5		0.723 5564	3962.1		0.313 8489	1718.5	
27.5	+0.596 8620	5822.0	+5726	−0.718 7738	4008.9	+4003	−0.311 7745	1738.8	+1741
28.0	0.603 8251	5783.1		0.713 9353	4055.3		0.309 6758	1758.9	
28.5	0.610 7412	5743.7	5648	0.709 0412	4101.4	4096	0.307 5531	1778.9	1781
29.0	0.617 6098	5703.9		0.704 0920	4147.1		0.305 4066	1798.7	
29.5	0.624 4303	5663.6	5569	0.699 0882	4192.5	4188	0.303 2364	1818.3	1821
30.0	0.631 2021	5622.8		0.694 0302	4237.5		0.301 0427	1837.8	
30.5	+0.637 9248	5581.6	+5488	−0.688 9183	4282.2	+4279	−0.298 8256	1857.2	+1860
31.0	0.644 5978	5540.0		0.683 7529	4326.5		0.296 5854	1876.4	
31.5	0.651 2206	5497.9	5405	0.678 5347	4370.4	4368	0.294 3222	1895.5	1899
Febr. 1.0	0.657 7926	5455.5		0.673 2640	4413.9		0.292 0363	1914.4	
1.5	0.664 3135	5412.6	5320	0.667 9412	4457.1	4456	0.289 7278	1933.1	1937
2.0	0.670 7827	5369.3		0.662 5669	4500.0		0.287 3969	1951.6	
2.5	+0.677 1997	5325.6	+5234	−0.657 1414	4542.4	+4542	−0.285 0439	1970.0	+1975
3.0	0.683 5641	5281.6		0.651 6653	4584.4		0.282 6689	1988.3	
3.5	0.689 8753	5237.1	5146	0.646 1390	4626.0	4627	0.280 2720	2006.4	2012
4.0	0.696 1329	5192.2		0.640 5630	4667.2		0.277 8536	2024.3	
4.5	0.702 3364	5147.0	5057	0.634 9379	4708.0	4710	0.275 4139	2041.9	2048
5.0	0.708 4855	5101.4		0.629 2640	4748.4		0.272 9531	2059.4	
5.5	+0.714 5796	5055.5	+4966	−0.623 5418	4788.4	+4792	−0.270 4713	2076.8	+2084
6.0	0.720 6184	5009.2		0.617 7719	4828.1		0.267 9687	2094.1	
6.5	0.726 6015	4962.6	4874	0.611 9546	4867.3	4873	0.265 4456	2111.1	2119
7.0	0.732 5284	4915.6		0.606 0905	4906.1		0.262 9022	2127.9	
7.5	0.738 3987	4868.2	4780	0.600 1802	4944.5	4952	0.260 3386	2144.6	2153
8.0	0.744 2120	4820.6		0.594 2240	4982.5		0.257 7551	2161.1	
8.5	+0.749 9680	4772.7	+4685	−0.588 2225	5020.0	+5030	−0.255 1519	2177.5	+2187
9.0	0.755 6664	4724.5		0.582 1762	5057.1		0.252 5291	2193.7	
9.5	0.761 3068	4676.0	4588	0.576 0854	5093.9	5106	0.249 8870	2209.7	2220
10.0	0.766 8887	4627.1		0.569 9507	5130.3		0.247 2259	2225.5	
10.5	0.772 4118	4578.0	4490	0.563 7726	5166.4	5180	0.244 5459	2241.2	2252
11.0	0.777 8757	4528.6		0.557 5514	5202.1		0.241 8472	2256.7	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Febr. 11.0	+0.777 8757	4528.6		−0.557 5514	5202.1		−0.241 8472	2256.7	
11.5	0.783 2802	4478.9	+4391	0.551 2876	5237.4	+5253	0.239 1300	2272.0	+2284
12.0	0.788 6248	4428.8		0.544 9817	5272.3		0.236 3945	2287.1	
12.5	0.793 9092	4378.5	4290	0.538 6342	5306.8	5324	0.233 6409	2302.1	2315
13.0	0.799 1331	4327.9		0.532 2454	5341.0		0.230 8694	2317.0	
13.5	0.804 2960	4276.9	4188	0.525 8158	5374.8	5393	0.228 0802	2331.6	2345
14.0	+0.809 3976	4225.7		−0.519 3460	5408.2		−0.225 2735	2346.1	
14.5	0.814 4375	4174.1	+4084	0.512 8363	5441.2	+5461	0.222 4495	2360.5	+2375
15.0	0.819 4154	4122.3		0.506 2872	5473.8		0.219 6084	2374.7	
15.5	0.824 3308	4070.1	3979	0.499 6992	5506.0	5527	0.216 7503	2388.7	2404
16.0	0.829 1835	4017.6		0.493 0727	5537.9		0.213 8756	2402.5	
16.5	0.833 9729	3964.8	3873	0.486 4082	5569.4	5592	0.210 9844	2416.1	2432
17.0	+0.838 6988	3911.7		−0.479 7061	5600.5		−0.208 0770	2429.5	
17.5	0.843 3608	3858.2	+3766	0.472 9670	5631.2	+5655	0.205 1536	2442.8	+2459
18.0	0.847 9584	3804.4		0.466 1914	5661.4		0.202 2143	2455.9	
18.5	0.852 4913	3750.3	3658	0.459 3797	5691.2	5716	0.199 2594	2468.8	2486
19.0	0.856 9591	3695.9		0.452 5326	5720.6		0.196 2892	2481.5	
19.5	0.861 3615	3641.3	3549	0.445 6505	5749.6	5775	0.193 3038	2494.1	2512
20.0	+0.865 6981	3586.4		−0.438 7339	5778.1		−0.190 3035	2506.4	
20.5	0.869 9687	3531.1	+3438	0.431 7833	5806.1	+5833	0.187 2885	2518.6	+2537
21.0	0.874 1727	3475.5		0.424 7994	5833.7		0.184 2590	2530.5	
21.5	0.878 3098	3419.7	3327	0.417 7827	5860.8	5889	0.181 2154	2542.2	2561
22.0	0.882 3798	3363.6		0.410 7337	5887.5		0.178 1579	2553.7	
22.5	0.886 3823	3307.3	3214	0.403 6530	5913.7	5943	0.175 0866	2565.1	2585
23.0	+0.890 3171	3250.6		−0.396 5411	5939.4		−0.172 0018	2576.2	
23.5	0.894 1837	3193.7	+3101	0.389 3986	5964.6	+5995	0.168 9038	2587.1	+2608
24.0	0.897 9818	3136.5		0.382 2262	5989.4		0.165 7928	2597.8	
24.5	0.901 7112	3079.1	2986	0.375 0243	6013.7	6046	0.162 6691	2608.3	2630
25.0	0.905 3717	3021.6		0.367 7936	6037.4		0.159 5329	2618.6	
25.5	0.908 9629	2963.8	2871	0.360 5347	6060.7	6094	0.156 3845	2628.7	2651
26.0	+0.912 4846	2905.7		−0.353 2482	6083.5		−0.153 2241	2638.6	
26.5	0.915 9364	2847.4	+2754	0.345 9345	6105.8	+6141	0.150 0520	2648.3	+2671
27.0	0.919 3182	2788.9		0.338 5944	6127.6		0.146 8684	2657.7	
27.5	0.922 6296	2730.1	2636	0.331 2284	6148.9	6186	0.143 6737	2666.9	2690
28.0	0.925 8704	2671.2		0.323 8372	6169.7		0.140 4680	2675.9	
28.5	0.929 0404	2612.2	2518	0.316 4214	6189.9	6229	0.137 2516	2684.7	2709
März 1.0	+0.932 1395	2553.0		−0.308 9816	6209.7		−0.134 0248	2693.3	
1.5	0.935 1674	2493.6	+2399	0.301 5183	6229.0	+6270	0.130 7878	2701.7	+2727
2.0	0.938 1240	2434.0		0.294 0321	6247.8		0.127 5409	2709.8	
2.5	0.941 0090	2374.3	2280	0.286 5237	6266.0	6309	0.124 2844	2717.7	2744
3.0	0.943 8222	2314.4		0.278 9938	6283.7		0.121 0186	2725.4	
3.5	0.946 5634	2254.3	2160	0.271 4430	6300.9	6346	0.117 7436	2732.9	2760

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
März 3.5	+0.946 5634	2254.3		—0.271 4430	6300.9		—0.117 7436	2732.9	
4.0	0.949 2325	2194.2	+2160	0.263 8718	6317.7	+6346	0.114 4598	2740.1	+2760
4.5	0.951 8294	2134.0		0.256 2808	6333.9		0.111 1674	2747.2	
5.0	0.954 3540	2073.6	2039	0.248 6707	6349.6	6381	0.107 8666	2754.0	2776
5.5	0.956 8060	2013.1		0.241 0420	6364.8		0.104 5578	2760.6	
6.0	0.959 1854	1952.6	1918	0.233 3955	6379.4	6414	0.101 2413	2767.0	2790
6.5	+0.961 4921	1891.9		—0.225 7317	6393.5		—0.097 9172	2773.2	
7.0	0.963 7259	1831.1	+1796	0.218 0512	6407.1	+6446	0.094 5857	2779.2	+2804
7.5	0.965 8868	1770.3		0.210 3546	6420.3		0.091 2472	2784.9	
8.0	0.967 9747	1709.4	1674	0.202 6426	6433.0	6475	0.087 9020	2790.4	2817
8.5	0.969 9894	1648.5		0.194 9156	6445.2		0.084 5503	2795.7	
9.0	0.971 9310	1587.5	1551	0.187 1743	6456.9	6503	0.081 1923	2800.8	2829
9.5	+0.973 7994	1526.4		—0.179 4193	6468.1		—0.077 8284	2805.7	
10.0	0.975 5944	1465.3	+1427	0.171 6511	6478.8	+6528	0.074 4587	2810.4	+2840
10.5	0.977 3161	1404.2		0.163 8703	6489.1		0.071 0833	2814.9	
11.0	0.978 9645	1343.1	1303	0.156 0774	6498.9	6552	0.067 7028	2819.2	2850
11.5	0.980 5395	1281.8		0.148 2730	6508.3		0.064 3173	2823.3	
12.0	0.982 0409	1220.5	1179	0.140 4577	6517.2	6574	0.060 9270	2827.2	2859
12.5	+0.983 4687	1159.2		—0.132 6320	6525.6		—0.057 5322	2830.8	
13.0	0.984 8229	1097.8	+1054	0.124 7964	6533.6	+6593	0.054 1331	2834.3	+2868
13.5	0.986 1035	1036.4		0.116 9515	6541.2		0.050 7299	2837.6	
14.0	0.987 3103	974.9	929	0.109 0978	6548.3	6610	0.047 3229	2840.7	2875
14.5	0.988 4433	913.4		0.101 2358	6554.9		0.043 9123	2843.6	
15.0	0.989 5024	851.8	804	0.093 3661	6561.1	6626	0.040 4984	2846.3	2882
15.5	+0.990 4876	790.1		—0.085 4892	6566.9		—0.037 0814	2848.8	
16.0	0.991 3987	728.4	+ 679	0.077 6056	6572.2	+6639	0.033 6614	2851.1	+2888
16.5	0.992 2358	666.7		0.069 7159	6577.0		0.030 2388	2853.2	
17.0	0.992 9987	604.9	553	0.061 8208	6581.4	6651	0.026 8139	2855.0	2893
17.5	0.993 6874	543.0		0.053 9207	6585.3		0.023 3869	2856.6	
18.0	0.994 3018	481.0	427	0.046 0162	6588.7	6661	0.019 9580	2858.0	2897
18.5	+0.994 8418	419.0		—0.038 1079	6591.7		—0.016 5275	2859.3	
19.0	0.995 3073	356.9	+ 301	0.030 1963	6594.2	+6669	0.013 0956	2860.4	+2900
19.5	0.995 6984	294.9		0.022 2821	6596.1		0.009 6626	2861.2	
20.0	0.996 0150	232.8	175	0.014 3659	6597.5	6674	0.006 2287	2861.8	2902
20.5	0.996 2571	170.7		—0.006 4483	6598.5		—0.002 7943	2862.2	
21.0	0.996 4247	108.5	+ 49	+0.001 4702	6599.0	6678	+0.000 6405	2862.4	2904
21.5	+0.996 5176	46.3		+0.009 3890	6598.9		+0.004 0754	2862.3	
22.0	0.996 5359	15.8	— 77	0.017 3074	6598.3	+6680	0.007 5100	2862.0	+2905
22.5	0.996 4796	78.0		0.025 2249	6597.2		0.010 9442	2861.5	
23.0	0.996 3486	140.2	204	0.033 1408	6595.7	6680	0.014 3776	2860.8	2905
23.5	0.996 1430	202.4		0.041 0545	6593.6		0.017 8101	2859.9	
24.0	0.995 8629	264.5	330	0.048 9653	6591.0	6677	0.021 2414	2858.8	2904

Sonnenkoordinaten 1922

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
März 24.0	+0.995 8629	264.5		+0.048 9653	6591.0		+0.021 2414	2858.8	
24.5	0.995 5082	326.6	— 456	0.056 8728	6587.9	+6673	0.024 6712	2857.4	+2902
25.0	0.995 0790	388.7		0.064 7762	6584.3		0.028 0991	2855.7	
25.5	0.994 5753	450.7	582	0.072 6749	6580.2	6667	0.031 5249	2853.9	2899
26.0	0.993 9972	512.7		0.080 5684	6575.5		0.034 9485	2851.9	
26.5	0.993 3448	574.6	708	0.088 4560	6570.4	6659	0.038 3695	2849.7	2896
27.0	+0.992 6181	636.5		+0.096 3371	6564.7		+0.041 7877	2847.2	
27.5	0.991 8173	698.3	— 834	0.104 2111	6558.5	+6649	0.045 2028	2844.5	+2891
28.0	0.990 9423	760.0		0.112 0773	6551.8		0.048 6145	2841.6	
28.5	0.989 9933	821.7	959	0.119 9352	6544.6	6637	0.052 0226	2838.5	2886
29.0	0.988 9703	883.3		0.127 7841	6536.8		0.055 4269	2835.2	
29.5	0.987 8734	944.8	1084	0.135 6234	6528.5	6622	0.058 8270	2831.6	2880
30.0	+0.986 7029	1006.1		+0.143 4524	6519.7		+0.062 2226	2827.8	
30.5	0.985 4589	1067.2	—1208	0.151 2706	6510.5	+6606	0.065 6135	2823.8	+2873
31.0	0.984 1416	1128.3		0.159 0774	6500.8		0.068 9994	2819.6	
31.5	0.982 7510	1189.3	1332	0.166 8722	6490.5	6588	0.072 3802	2815.1	2865
April 1.0	0.981 2873	1250.1		0.174 6543	6479.7		0.075 7556	2810.4	
1.5	0.979 7507	1310.8	1456	0.182 4232	6468.4	6567	0.079 1252	2805.5	2856
2.0	+0.978 1414	1371.4		+0.190 1782	6456.6		+0.082 4888	2800.4	
2.5	0.976 4595	1431.7	—1580	0.197 9188	6444.3	+6545	0.085 8462	2795.1	+2846
3.0	0.974 7053	1491.9		0.205 6443	6431.5		0.089 1971	2789.6	
3.5	0.972 8789	1552.0	1703	0.213 3542	6418.3	6521	0.092 5413	2784.0	2836
4.0	0.970 9806	1611.8		0.221 0480	6404.6		0.095 8786	2778.1	
4.5	0.969 0106	1671.4	1825	0.228 7251	6390.5	6495	0.099 2087	2772.0	2825
5.0	+0.966 9692	1730.9		+0.236 3849	6375.8		+0.102 5313	2765.7	
5.5	0.964 8565	1790.2	—1947	0.244 0268	6360.7	+6467	0.105 8462	2759.1	+2813
6.0	0.962 6729	1849.2		0.251 6503	6345.1		0.109 1531	2752.4	
6.5	0.960 4185	1908.1	2068	0.259 2549	6329.1	6437	0.112 4518	2745.5	2800
7.0	0.958 0935	1966.8		0.266 8401	6312.7		0.115 7422	2738.5	
7.5	0.955 6981	2025.3	2189	0.274 4053	6295.9	6406	0.119 0240	2731.2	2786
8.0	+0.953 2328	2083.5		+0.281 9500	6278.7		+0.122 2969	2723.7	
8.5	0.950 6978	2141.5	—2309	0.289 4738	6261.0	+6372	0.125 5607	2716.0	+2771
9.0	0.948 0932	2199.4		0.296 9761	6242.9		0.128 8153	2708.2	
9.5	0.945 4193	2257.0	2428	0.304 4565	6224.4	6337	0.132 0604	2700.2	2756
10.0	0.942 6764	2314.5		0.311 9144	6205.4		0.135 2958	2692.0	
10.5	0.939 8646	2371.8	2547	0.319 3493	6186.1	6300	0.138 5211	2683.6	2740
11.0	+0.936 9842	2428.9		+0.326 7609	6166.4		+0.141 7363	2675.0	
11.5	0.934 0354	2485.7	—2665	0.334 1486	6146.3	+6261	0.144 9411	2666.3	+2723
12.0	0.931 0185	2542.4		0.341 5119	6125.8		0.148 1354	2657.4	
12.5	0.927 9336	2599.0	2782	0.348 8504	6104.9	6220	0.151 3189	2648.3	2705
13.0	0.924 7810	2655.3		0.356 1636	6083.6		0.154 4914	2639.1	
13.5	0.921 5609	2711.4	2899	0.363 4510	6061.9	6177	0.157 6527	2629.7	2687

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Y	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Z	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1922									
April 13.5	+0.921 5609	2711.4	−2899	+0.363 4510	6061.9	+6177	+0.157 6527	2629.7	+2687
14.0	0.918 2736	2767.4		0.370 7120	6039.7		0.160 8026	2620.1	
14.5	0.914 9193	2823.2	3014	0.377 9462	6017.2	6132	0.163 9408	2610.2	2667
15.0	0.911 4981	2878.8		0.385 1531	5994.3		0.167 0671	2600.2	
15.5	0.908 0103	2934.2	3129	0.392 3323	5970.9	6086	0.170 1813	2590.0	2647
16.0	0.904 4561	2989.4		0.399 4831	5947.0		0.173 2831	2579.6	
16.5	+0.900 8358	3044.4	−3243	+0.406 6050	5922.8	+6038	+0.176 3724	2569.1	+2626
17.0	0.897 1496	3099.2		0.413 6976	5898.2		0.179 4490	2558.4	
17.5	0.893 3979	3153.8	3356	0.420 7604	5873.1	5988	0.182 5126	2547.5	2604
18.0	0.889 5808	3208.1		0.427 7929	5847.6		0.185 5630	2536.4	
18.5	0.885 6986	3262.2	3468	0.434 7945	5821.6	5936	0.188 5999	2525.1	2582
19.0	0.881 7515	3316.1		0.441 7646	5795.2		0.191 6231	2513.6	
19.5	+0.877 7399	3369.8	−3578	+0.448 7028	5768.4	+5883	+0.194 6324	2501.9	+2559
20.0	0.873 6640	3423.2		0.455 6086	5741.1		0.197 6277	2490.1	
20.5	0.869 5242	3476.3	3687	0.462 4814	5713.4	5828	0.200 6087	2478.2	2535
21.0	0.865 3209	3529.2		0.469 3207	5685.2		0.203 5752	2466.0	
21.5	0.861 0541	3581.9	3796	0.476 1260	5656.7	5771	0.206 5268	2453.6	2510
22.0	0.856 7243	3634.3		0.482 8968	5627.8		0.209 4634	2441.0	
22.5	+0.852 3319	3686.4	−3903	+0.489 6326	5598.5	+5712	+0.212 3849	2428.2	+2484
23.0	0.847 8771	3738.2		0.496 3329	5568.7		0.215 2909	2415.2	
23.5	0.843 3603	3789.7	4010	0.502 9972	5538.4	5652	0.218 1812	2402.0	2458
24.0	0.838 7818	3841.0		0.509 6249	5507.7		0.221 0557	2388.7	
24.5	0.834 1420	3891.9	4116	0.516 2156	5476.7	5590	0.223 9142	2375.3	2431
25.0	0.829 4414	3942.5		0.522 7688	5445.2		0.226 7564	2361.7	
25.5	+0.824 6801	3992.9	−4220	+0.529 2839	5413.3	+5527	+0.229 5821	2347.8	+2403
26.0	0.819 8586	4042.9		0.535 7605	5381.0		0.232 3910	2333.7	
26.5	0.814 9772	4092.6	4323	0.542 1981	5348.3	5462	0.235 1830	2319.5	2375
27.0	0.810 0364	4142.0		0.548 5962	5315.1		0.237 9579	2305.2	
27.5	0.805 0366	4191.0	4424	0.554 9542	5281.5	5395	0.240 7155	2290.7	2346
28.0	0.799 9783	4239.6		0.561 2717	5247.6		0.243 4556	2276.0	
28.5	+0.794 8618	4287.9	−4524	+0.567 5482	5213.3	+5327	+0.246 1780	2261.1	+2316
29.0	0.789 6875	4335.8		0.573 7834	5178.6		0.248 8824	2246.0	
29.5	0.784 4559	4383.4	4623	0.579 9768	5143.5	5257	0.251 5686	2230.8	2286
30.0	0.779 1675	4430.6		0.586 1278	5108.1		0.254 2364	2215.5	
30.5	0.773 8226	4477.5	4721	0.592 2361	5072.3	5186	0.256 8858	2200.1	2255
Mai 1.0	0.768 4217	4524.0		0.598 3011	5036.1		0.259 5165	2184.5	
1.5	+0.762 9653	4570.1	−4817	+0.604 3224	4999.5	+5113	+0.262 1284	2168.7	+2224
2.0	0.757 4538	4615.7		0.610 2997	4962.6		0.264 7212	2152.7	
2.5	0.751 8878	4660.9	4912	0.616 2326	4925.4	5039	0.267 2947	2136.6	2192
3.0	0.746 2677	4705.8		0.622 1206	4887.8		0.269 8488	2120.3	
3.5	0.740 5940	4750.3	5005	0.627 9633	4849.9	4963	0.272 3834	2103.9	2159
4.0	0.734 8671	4794.4		0.633 7604	4811.8		0.274 8982	2087.3	

Sonnenkoordinaten 1922

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Mai 4.0	+0.734 8671	4794.4		+0.633 7604	4811.8		+0.274 8982	2087.3	
4.5	0.729 0875	4838.1	−5097	0.639 5115	4773.4	+4886	0.277 3930	2070.7	+2125
5.0	0.723 2557	4881.4		0.645 2163	4734.6		0.279 8678	2053.9	
5.5	0.717 3722	4924.3	5188	0.650 8744	4695.5	4807	0.282 3223	2037.0	2091
6.0	0.711 4374	4966.9		0.656 4854	4656.1		0.284 7565	2019.9	
6.5	0.705 4518	5009.0	5277	0.662 0489	4616.4	4727	0.287 1701	2002.7	2056
7.0	+0.699 4159	5050.8		+0.667 5647	4576.5		+0.289 5630	1985.4	
7.5	0.693 3301	5092.2	−5365	0.673 0324	4536.3	+4646	0.291 9350	1968.0	+2020
8.0	0.687 1948	5133.2		0.678 4518	4495.9		0.294 2861	1950.4	
8.5	0.681 0106	5173.8	5451	0.683 8224	4455.2	4563	0.296 6160	1932.8	1984
9.0	0.674 7779	5214.0		0.689 1440	4414.2		0.298 9247	1915.0	
9.5	0.668 4971	5253.9	5535	0.694 4163	4372.9	4479	0.301 2120	1897.1	1948
10.0	+0.662 1687	5293.4		+0.699 6389	4331.4		+0.303 4777	1879.1	
10.5	0.655 7930	5332.6	−5618	0.704 8116	4289.6	+4394	0.305 7217	1861.0	+1911
11.0	0.649 3705	5371.4		0.709 9340	4247.6		0.307 9439	1842.7	
11.5	0.642 9018	5409.8	5699	0.715 0057	4205.3	4307	0.310 1441	1824.3	1874
12.0	0.636 3873	5447.8		0.720 0265	4162.7		0.312 3222	1805.8	
12.5	0.629 8272	5485.5	5779	0.724 9960	4119.8	4220	0.314 4780	1787.2	1836
13.0	+0.623 2221	5522.9		+0.729 9140	4076.7		+0.316 6113	1768.4	
13.5	0.616 5724	5559.9	−5857	0.734 7801	4033.4	+4131	0.318 7221	1749.5	+1797
14.0	0.609 8785	5596.5		0.739 5939	3989.7		0.320 8102	1730.6	
14.5	0.603 1409	5632.7	5933	0.744 3552	3945.7	4041	0.322 8755	1711.5	1758
15.0	0.596 3601	5668.6		0.749 0635	3901.5		0.324 9178	1692.3	
15.5	0.589 5364	5704.1	6008	0.753 7186	3857.0	3950	0.326 9370	1672.9	1718
16.0	+0.582 6704	5739.2		+0.758 3201	3812.2		+0.328 9328	1653.4	
16.5	0.575 7625	5773.9	−6081	0.762 8677	3767.1	+3858	0.330 9052	1633.8	+1678
17.0	0.568 8133	5808.1		0.767 3611	3721.7		0.332 8540	1614.2	
17.5	0.561 8232	5842.0	6152	0.771 7999	3676.1	3764	0.334 7792	1594.4	1637
18.0	0.554 7926	5875.5		0.776 1837	3630.2		0.336 6806	1574.5	
18.5	0.547 7221	5908.6	6221	0.780 5123	3584.0	3669	0.338 5580	1554.4	1596
19.0	+0.540 6122	5941.2		+0.784 7854	3537.6		+0.340 4112	1534.3	
19.5	0.533 4633	5973.4	−6289	0.789 0026	3490.9	+3574	0.342 2402	1514.0	+1554
20.0	0.526 2760	6005.3		0.793 1635	3444.0		0.344 0448	1493.6	
20.5	0.519 0508	6036.7	6355	0.797 2680	3396.8	3477	0.345 8248	1473.1	1512
21.0	0.511 7882	6067.6		0.801 3157	3349.3		0.347 5802	1452.5	
21.5	0.504 4888	6098.1	6419	0.805 3062	3301.5	3380	0.349 3108	1431.8	1470
22.0	+0.497 1530	6128.1		+0.809 2393	3253.5		+0.351 0164	1410.9	
22.5	0.489 7815	6157.7	−6481	0.813 1147	3205.3	+3281	0.352 6970	1390.0	+1427
23.0	0.482 3747	6186.9		0.816 9320	3156.8		0.354 3525	1369.0	
23.5	0.474 9331	6215.6	6541	0.820 6910	3108.1	3182	0.355 9827	1347.9	1384
24.0	0.467 4574	6243.8		0.824 3914	3059.2		0.357 5875	1326.7	
24.5	0.459 9481	6271.5	6599	0.828 0329	3010.0	3081	0.359 1667	1305.4	1340

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Mai 24.5	+0.459 9481	6271.5	−6599	+0.828 0329	3010.0	+3081	+0.359 1667	1305.4	+1340
25.0	0.452 4058	6298.8		0.831 6153	2960.6		0.360 7203	1283.9	
25.5	0.444 8311	6325.6	6656	0.835 1382	2910.9	2980	0.362 2481	1262.4	1296
26.0	0.437 2245	6351.9		0.838 6013	2861.0		0.363 7501	1240.8	
26.5	0.429 5866	6377.8	6710	0.842 0045	2810.9	2877	0.365 2261	1219.1	1252
27.0	0.421 9180	6403.1		0.845 3474	2760.6		0.366 6760	1197.3	
27.5	+0.414 2193	6427.9	−6763	+0.848 6298	2710.1	+2774	+0.368 0997	1175.5	+1207
28.0	0.406 4911	6452.3		0.851 8516	2659.5		0.369 4972	1153.6	
28.5	0.398 7340	6476.2	6814	0.855 0125	2608.7	2670	0.370 8682	1131.5	1162
29.0	0.390 9486	6499.5		0.858 1123	2557.7		0.372 2127	1109.4	
29.5	0.383 1356	6522.2	6863	0.861 1508	2506.5	2566	0.373 5307	1087.3	1116
30.0	0.375 2955	6544.5		0.864 1277	2455.1		0.374 8221	1065.0	
30.5	+0.367 4289	6566.3	−6910	+0.867 0429	2403.6	+2461	+0.376 0867	1042.7	+1070
31.0	0.359 5365	6587.5		0.869 8962	2351.9		0.377 3246	1020.4	
31.5	0.351 6190	6608.3	6955	0.872 6875	2300.2	2355	0.378 5356	998.0	1024
Juni 1.0	0.343 6768	6628.6		0.875 4166	2248.3		0.379 7197	975.5	
1.5	0.335 7106	6648.4	6998	0.878 0834	2196.3	2248	0.380 8767	952.9	978
2.0	0.327 7209	6667.7		0.880 6877	2144.2		0.382 0066	930.3	
2.5	+0.319 7084	6686.4	−7039	+0.883 2294	2092.0	+2141	+0.383 1094	907.7	+ 931
3.0	0.311 6738	6704.6		0.885 7085	2039.7		0.384 1851	885.1	
3.5	0.303 6175	6722.4	7078	0.888 1247	1987.3	2033	0.385 2336	862.4	884
4.0	0.295 5401	6739.8		0.890 4780	1934.8		0.386 2547	839.6	
4.5	0.287 4422	6756.7	7115	0.892 7683	1882.3	1924	0.387 2485	816.8	837
5.0	0.279 3244	6773.1		0.894 9955	1829.7		0.388 2150	793.9	
5.5	+0.271 1872	6789.0	−7150	+0.897 1595	1776.9	+1815	+0.389 1540	771.0	+ 790
6.0	0.263 0312	6804.4		0.899 2601	1724.1		0.390 0654	748.0	
6.5	0.254 8569	6819.3	7183	0.901 2973	1671.2	1706	0.390 9493	725.1	742
7.0	0.246 6650	6833.8		0.903 2710	1618.3		0.391 8057	702.2	
7.5	0.238 4560	6847.9	7214	0.905 1811	1565.3	1596	0.392 6345	679.2	694
8.0	0.230 2303	6861.5		0.907 0276	1512.2		0.393 4357	656.1	
8.5	+0.221 9885	6874.7	−7243	+0.908 8103	1458.9	+1486	+0.394 2091	633.0	+ 646
9.0	0.213 7312	6887.4		0.910 5290	1405.6		0.394 9548	609.8	
9.5	0.205 4589	6899.7	7269	0.912 1837	1352.3	1375	0.395 6727	586.6	598
10.0	0.197 1721	6911.6		0.913 7745	1298.9		0.396 3627	563.4	
10.5	0.188 8713	6923.0	7294	0.915 3011	1245.3	1264	0.397 0249	540.2	550
11.0	0.180 5572	6933.9		0.916 7633	1191.7		0.397 6592	516.9	
11.5	+0.172 2302	6944.3	−7316	+0.918 1611	1138.0	+1153	+0.398 2656	493.5	+ 502
12.0	0.163 8910	6954.3		0.919 4945	1084.2		0.398 8439	470.2	
12.5	0.155 5400	6963.9	7337	0.920 7633	1030.4	1041	0.399 3941	446.8	453
13.0	0.147 1778	6973.0		0.921 9674	976.4		0.399 9162	423.4	
13.5	0.138 8050	6981.6	7356	0.923 1067	922.4	929	0.400 4102	399.9	404
14.0	0.130 4222	6989.8		0.924 1811	868.2		0.400 8760	376.4	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Y*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Z*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1922									
Juni 14.0	+0.130 4222	6989.8		+0.924 1811	868.2		+0.400 8760	376.4	
14.5	0.122 0298	6997.5	−7373	0.925 1904	814.0	+ 816	0.401 3135	352.8	+355
15.0	0.113 6285	7004.7		0.926 1346	759.7		0.401 7228	329.3	
15.5	0.105 2188	7011.4	7388	0.927 0137	705.4	703	0.402 1039	305.8	306
16.0	0.096 8014	7017.6		0.927 8275	651.0		0.402 4566	282.1	
16.5	0.088 3768	7023.3	7400	0.928 5760	596.5	590	0.402 7809	258.4	257
17.0	+0.079 9457	7028.5		+0.929 2591	541.9		+0.403 0769	234.7	
17.5	0.071 5085	7033.3	−7410	0.929 8766	487.3	+ 477	0.403 3445	211.1	+208
18.0	0.063 0659	7037.6		0.930 4286	432.6		0.403 5836	187.4	
18.5	0.054 6185	7041.4	7418	0.930 9149	377.9	364	0.403 7942	163.6	158
19.0	0.046 1669	7044.6		0.931 3355	323.1		0.403 9762	139.8	
19.5	0.037 7117	7047.4	7424	0.931 6904	268.3	251	0.404 1298	116.1	109
20.0	+0.029 2534	7049.7		+0.931 9794	213.4		+0.404 2548	92.3	
20.5	0.020 7927	7051.4	−7428	0.932 2025	158.5	+ 137	0.404 3514	68.6	+ 60
21.0	0.012 3303	7052.6		0.932 3597	103.5		0.404 4194	44.8	
21.5	+0.003 8667	7053.3	7430	0.932 4510	48.6	+ 24	0.404 4588	20.9	+ 11
22.0	−0.004 5974	7053.5		0.932 4763	6.4		0.404 4695	3.0	
22.5	0.013 0614	7053.1	7430	0.932 4356	61.5	− 90	0.404 4517	26.8	− 39
23.0	−0.021 5246	7052.2		+0.932 3288	116.5		+0.404 4052	50.7	
23.5	0.029 9865	7050.8	−7428	0.932 1560	171.5	− 204	0.404 3301	74.5	− 88
24.0	0.038 4464	7048.9		0.931 9171	226.6		0.404 2264	98.3	
24.5	0.046 9036	7046.4	7423	0.931 6122	281.6	317	0.404 0941	122.1	138
25.0	0.055 3575	7043.3		0.931 2413	336.6		0.403 9333	145.9	
25.5	0.063 8074	7039.8	7416	0.930 8044	391.5	430	0.403 7439	169.7	187
26.0	−0.072 2528	7035.7		+0.930 3016	446.5		+0.403 5259	193.5	
26.5	0.080 6929	7031.1	−7408	0.929 7328	501.4	− 543	0.403 2794	217.3	−236
27.0	0.089 1272	7025.9		0.929 0982	556.2		0.403 0043	241.1	
27.5	0.097 5549	7020.2	7398	0.928 3979	611.0	656	0.402 7007	264.8	285
28.0	0.105 9754	7013.9		0.927 6319	665.7		0.402 3687	288.5	
28.5	0.114 3880	7007.1	7385	0.926 8003	720.3	769	0.402 0083	312.2	334
29.0	−0.122 7922	6999.8		+0.925 9033	774.8		+0.401 6195	335.9	
29.5	0.131 1874	6992.1	−7370	0.924 9409	829.2	− 882	0.401 2023	359.5	−383
30.0	0.139 5730	6983.8		0.923 9133	883.5		0.400 7568	383.0	
30.5	0.147 9483	6975.0	7353	0.922 8206	937.7	994	0.400 2831	406.5	432
Juli 1.0	0.156 3128	6965.7		0.921 6628	991.8		0.399 7813	429.9	
1.5	0.164 6658	6955.9	7334	0.920 4402	1045.8	1106	0.399 2514	453.3	481
2.0	−0.173 0068	6945.6		+0.919 1529	1099.7		+0.398 6934	476.7	
2.5	0.181 3351	6934.9	−7313	0.917 8010	1153.5	−1218	0.398 1073	500.0	−530
3.0	0.189 6503	6923.7		0.916 3846	1207.1		0.397 4933	523.3	
3.5	0.197 9518	6912.0	7290	0.914 9040	1260.6	1329	0.396 8514	546.5	579
4.0	0.206 2391	6899.9		0.913 3592	1314.0		0.396 1816	569.7	
4.5	0.214 5115	6887.3	7265	0.911 7504	1367.3	1440	0.395 4840	592.8	627

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Juli 4.5	−0.214 5115	6887.3	−7265	+0.911 7504	1367.3	−1440	+0.395 4840	592.8	− 627
5.0	0.222 7685	6874.3		0.910 0778	1420.4		0.394 7587	615.9	
5.5	0.231 0096	6860.8	7238	0.908 3414	1473.5	1551	0.394 0058	638.9	675
6.0	0.239 2343	6846.9		0.906 5414	1526.4		0.393 2253	661.9	
6.5	0.247 4420	6832.5	7209	0.904 6780	1579.2	1661	0.392 4172	684.9	723
7.0	0.255 6322	6817.7		0.902 7514	1631.8		0.391 5815	707.8	
7.5	−0.263 8044	6802.5	−7177	+0.900 7616	1684.4	−1771	+0.390 7184	730.7	− 771
8.0	0.271 9581	6786.8		0.898 7087	1736.9		0.389 8279	753.5	
8.5	0.280 0927	6770.7	7144	0.896 5929	1789.3	1880	0.388 9101	776.2	818
9.0	0.288 2076	6754.1		0.894 4144	1841.5		0.387 9650	798.9	
9.5	0.296 3023	6737.1	7109	0.892 1733	1893.6	1989	0.386 9928	821.5	865
10.0	0.304 3764	6719.7		0.889 8697	1945.7		0.385 9935	844.1	
10.5	−0.312 4293	6701.8	−7072	+0.887 5037	1997.6	−2097	+0.384 9671	866.6	− 912
11.0	0.320 4604	6683.4		0.885 0756	2049.3		0.383 9136	889.1	
11.5	0.328 4692	6664.6	7032	0.882 5854	2101.0	2204	0.382 8332	911.5	959
12.0	0.336 4552	6645.3		0.880 0332	2152.6		0.381 7259	933.9	
12.5	0.344 4178	6625.6	6991	0.877 4192	2204.0	2311	0.380 5918	956.2	1005
13.0	0.352 3565	6605.4		0.874 7436	2255.3		0.379 4310	978.5	
13.5	−0.360 2707	6584.8	−6947	+0.872 0066	2306.4	−2417	+0.378 2435	1000.7	−1051
14.0	0.368 1599	6563.8		0.869 2082	2357.5		0.377 0293	1022.9	
14.5	0.376 0236	6542.2	6902	0.866 3486	2408.5	2523	0.375 7885	1045.0	1097
15.0	0.383 8611	6520.2		0.863 4279	2459.3		0.374 5213	1067.0	
15.5	0.391 6719	6497.7	6855	0.860 4464	2509.9	2628	0.373 2277	1088.9	1143
16.0	0.399 4555	6474.8		0.857 4043	2560.3		0.371 9079	1110.8	
16.5	−0.407 2113	6451.5	−6806	+0.854 3017	2610.6	−2732	+0.370 5618	1132.6	−1188
17.0	0.414 9388	6427.6		0.851 1388	2660.8		0.369 1895	1154.4	
17.5	0.422 6373	6403.2	6755	0.847 9157	2710.9	2835	0.367 7912	1176.1	1233
18.0	0.430 3064	6388.4		0.844 6326	2760.8		0.366 3669	1197.7	
18.5	0.437 9455	6353.2	6702	0.841 2898	2810.5	2938	0.364 9167	1219.2	1278
19.0	0.445 5540	6327.5		0.837 8874	2860.1		0.363 4407	1240.7	
19.5	−0.453 1314	6301.3	−6647	+0.834 4257	2909.4	−3040	+0.361 9390	1262.1	−1322
20.0	0.460 6770	6274.6		0.830 9048	2958.6		0.360 4116	1283.4	
20.5	0.468 1903	6247.4	6591	0.827 3250	3007.7	3141	0.358 8587	1304.7	1366
21.0	0.475 6707	6219.8		0.823 6864	3056.6		0.357 2803	1325.9	
21.5	0.483 1177	6191.7	6533	0.819 9893	3105.2	3241	0.355 6765	1347.0	1409
22.0	0.490 5306	6163.1		0.816 2340	3153.6		0.354 0476	1367.9	
22.5	−0.497 9089	6134.0	−6472	+0.812 4207	3201.8	−3340	+0.352 3936	1388.8	−1452
23.0	0.505 2520	6104.4		0.808 5497	3249.8		0.350 7146	1409.6	
23.5	0.512 5593	6074.3	6410	0.804 6212	3297.6	3438	0.349 0107	1430.3	1495
24.0	0.519 8302	6043.8		0.800 6355	3345.1		0.347 2820	1450.9	
24.5	0.527 0643	6012.9	6346	0.796 5929	3392.4	3535	0.345 5286	1471.3	1537
25.0	0.534 2609	5981.4		0.792 4938	3439.4		0.343 7508	1491.7	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Y*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Z*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1922									
Juli 25.0	−0.534 2609	5981.4		+0.792 4938	3439.4		+0.343 7508	1491.7	
25.5	0.541 4195	5949.4	−6280	0.788 3384	3486.2	−3632	0.341 9486	1511.9	−1579
26.0	0.548 5394	5917.0		0.784 1270	3532.7		0.340 1222	1532.0	
26.5	0.555 6201	5884.2	6212	0.779 8601	3578.9	3727	0.338 2718	1552.0	1620
27.0	0.562 6612	5850.9		0.775 5380	3624.8		0.336 3974	1572.0	
27.5	0.569 6622	5817.2	6143	0.771 1609	3670.4	3821	0.334 4991	1591.8	1661
28.0	−0.576 6224	5783.1		+0.766 7292	3715.7		+0.332 5772	1611.4	
28.5	0.583 5414	5748.5	−6072	0.762 2433	3760.7	−3914	0.330 6318	1630.9	−1702
29.0	0.590 4187	5713.6		0.757 7036	3805.4		0.328 6631	1650.3	
29.5	0.597 2539	5678.3	5999	0.753 1105	3849.8	4006	0.326 6711	1669.6	1742
30.0	0.604 0464	5642.6		0.748 4643	3893.8		0.324 6561	1688.7	
30.5	0.610 7958	5606.5	5925	0.743 7654	3937.6	4097	0.322 6182	1707.7	1782
31.0	−0.617 5017	5570.0		+0.739 0141	3981.1		+0.320 5576	1726.6	
31.5	0.624 1635	5533.1	−5849	0.734 2107	4024.4	−4187	0.318 4744	1745.3	−1821
Aug. 1.0	0.630 7809	5495.8		0.729 3557	4067.3		0.316 3688	1764.0	
1.5	0.637 3534	5458.2	5771	0.724 4494	4109.9	4275	0.314 2408	1782.6	1859
2.0	0.643 8805	5420.3		0.719 4921	4152.2		0.312 0907	1801.0	
2.5	0.650 3619	5382.0	5692	0.714 4843	4194.2	4362	0.309 9186	1819.2	1897
3.0	−0.656 7972	5343.4		+0.709 4263	4235.9		+0.307 7247	1837.3	
3.5	0.663 1859	5304.4	−5611	0.704 3184	4277.3	−4448	0.305 5092	1855.3	−1935
4.0	0.669 5276	5265.1		0.699 1610	4318.4		0.303 2721	1873.1	
4.5	0.675 8219	5225.4	5528	0.693 9544	4359.2	4533	0.301 0137	1890.9	1972
5.0	0.682 0684	5185.3		0.688 6990	4399.7		0.298 7340	1908.5	
5.5	0.688 2666	5144.9	5444	0.683 3952	4440.0	4616	0.296 4333	1926.0	2008
6.0	−0.694 4161	5104.2		+0.678 0432	4480.0		+0.294 1117	1943.4	
6.5	0.700 5166	5063.2	−5358	0.672 6434	4519.6	−4698	0.291 7693	1960.6	−2044
7.0	0.706 5676	5021.8		0.667 1962	4559.0		0.289 4063	1977.7	
7.5	0.712 5687	4980.1	5271	0.661 7019	4598.1	4779	0.287 0228	1994.7	2079
8.0	0.718 5196	4938.0		0.656 1610	4636.9		0.284 6191	2011.5	
8.5	0.724 4197	4895.6	5182	0.650 5737	4675.4	4858	0.282 1952	2028.2	2113
9.0	−0.730 2687	4852.8		+0.644 9403	4713.6		+0.279 7514	2044.8	
9.5	0.736 0663	4809.7	−5092	0.639 2612	4751.5	−4936	0.277 2878	2061.2	−2147
10.0	0.741 8119	4766.2		0.633 5368	4789.1		0.274 8045	2077.5	
10.5	0.747 5051	4722.4	5000	0.627 7675	4826.4	5013	0.272 3017	2093.8	2180
11.0	0.753 1455	4678.2		0.621 9536	4863.4		0.269 7795	2109.9	
11.5	0.758 7327	4633.7	4907	0.616 0955	4900.1	5088	0.267 2381	2125.8	2213
12.0	−0.764 2663	4588.9		+0.610 1935	4936.5		+0.264 6777	2141.6	
12.5	0.769 7459	4543.8	−4813	0.604 2480	4972.6	−5162	0.262 0984	2157.2	−2245
13.0	0.775 1712	4498.3		0.598 2594	5008.3		0.259 5005	2172.6	
13.5	0.780 5416	4452.4	4717	0.592 2282	5043.7	5234	0.256 8841	2188.0	2276
14.0	0.785 8568	4406.2		0.586 1546	5078.8		0.254 2494	2203.2	
14.5	0.791 1163	4359.7	4620	0.580 0391	5113.6	5305	0.251 5965	2218.3	2307

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
	Mittleres Äquinoktium 1922.0								
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Aug. 14.5	−0.791 1163	4359.7	−4620	+0.580 0391	5113.6	−5305	+0.251 5965	2218.3	−2307
15.0	0.796 3198	4312.8		0.573 8820	5148.1		0.248 9255	2233.3	
15.5	0.801 4668	4265.6	4521	0.567 6837	5182.3	5374	0.246 2367	2248.1	2337
16.0	0.806 5570	4218.0		0.561 4447	5216.1		0.243 5303	2262.7	
16.5	0.811 5899	4170.1	4421	0.555 1653	5249.5	5442	0.240 8064	2277.2	2366
17.0	0.816 5650	4121.8		0.548 8460	5282.6		0.238 0652	2291.5	
17.5	−0.821 4820	4073.1	−4320	+0.542 4872	5315.3	−5508	+0.235 3069	2305.6	−2395
18.0	0.826 3404	4024.1		0.536 0893	5347.7		0.232 5317	2319.6	
18.5	0.831 1398	3974.9	4217	0.529 6527	5379.8	5573	0.229 7398	2333.5	2423
19.0	0.835 8800	3925.3		0.523 1779	5411.5		0.226 9314	2347.2	
19.5	0.840 5605	3875.3	4114	0.516 6653	5442.8	5636	0.224 1066	2360.7	2451
20.0	0.845 1808	3825.0		0.510 1154	5473.7		0.221 2657	2374.1	
20.5	−0.849 7404	3774.3	−4010	+0.503 5287	5504.2	−5698	+0.218 4088	2387.3	−2478
21.0	0.854 2391	3723.4		0.496 9056	5534.3		0.215 5362	2400.3	
21.5	0.858 6765	3672.2	3904	0.490 2467	5563.9	5758	0.212 6481	2413.1	2504
22.0	0.863 0522	3620.6		0.483 5524	5693.1		0.209 7447	2425.8	
22.5	0.867 3658	3568.7	3797	0.476 8233	5621.9	5816	0.206 8262	2438.3	2529
23.0	0.871 6169	3516.4		0.470 0599	5650.3		0.203 8928	2450.6	
23.5	−0.875 8051	3463.9	−3689	+0.463 2626	5678.3	−5873	+0.200 9447	2462.8	−2554
24.0	0.879 9301	3411.1		0.456 4321	5705.8		0.197 9822	2474.7	
24.5	0.883 9917	3358.1	3580	0.449 5688	5732.9	5928	0.195 0056	2486.4	2578
25.0	0.887 9895	3304.8		0.442 6732	5759.5		0.192 0150	2497.9	
25.5	0.891 9232	3251.2	3470	0.435 7460	5785.7	5981	0.189 0106	2509.3	2601
26.0	0.895 7924	3197.4		0.428 7877	5811.4		0.185 9927	2520.5	
26.5	−0.899 5970	3143.5	−3359	+0.421 7988	5836.7	−6032	+0.182 9616	2531.4	−2623
27.0	0.903 3367	3089.3		0.414 7799	5861.5		0.179 9174	2542.2	
27.5	0.907 0112	3034.9	3247	0.407 7315	5885.8	6082	0.176 8603	2552.8	2645
28.0	0.910 6203	2980.2		0.400 6541	5909.7		0.173 7907	2563.2	
28.5	0.914 1637	2925.4	3134	0.393 5482	5933.2	6130	0.170 7087	2573.5	2666
29.0	0.917 6412	2870.4		0.386 4144	5956.2		0.167 6145	2583.5	
29.5	−0.921 0526	2815.2	−3020	+0.379 2532	5978.8	−6176	+0.164 5085	2593.3	−2686
30.0	0.924 3976	2759.8		0.372 0652	6001.0		0.161 3907	2602.9	
30.5	0.927 6760	2704.2	2905	0.364 8509	6022.8	6220	0.158 2615	2612.4	2705
31.0	0.930 8877	2648.5		0.357 6106	6044.2		0.155 1210	2621.7	
31.5	0.934 0324	2592.6	2790	0.350 3449	6065.1	6263	0.151 9694	2630.9	2724
Sept. 1.0	0.937 1099	2536.5		0.343 0544	6085.6		0.148 8069	2639.8	
1.5	−0.940 1200	2480.3	−2673	+0.335 7395	6105.7	−6303	+0.145 6339	2648.5	−2741
2.0	0.943 0625	2423.9		0.328 4008	6125.4		0.142 4506	2657.0	
2.5	0.945 9373	2367.3	2556	0.321 0388	6144.6	6342	0.139 2571	2665.4	2758
3.0	0.948 7440	2310.5		0.313 6540	6163.4		0.136 0537	2673.6	
3.5	0.951 4825	2253.6	2438	0.306 2468	6181.8	6379	0.132 8405	2681.6	2774
4.0	0.954 1526	2196.5		0.298 8178	6199.8		0.129 6178	2689.4	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
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1922									
Sept. 4.0	—0.954 1526	2196.5		+0.298 8178	6199.8		+0.129 6178	2689.4	
4.5	0.956 7541	2139.3	—2319	0.291 3674	6217.4	—6414	0.126 3858	2697.1	—2790
5.0	0.959 2869	2082.0		0.283 8962	6234.6		0.123 1448	2704.6	
5.5	0.961 7508	2024.4	2200	0.276 4046	6251.4	6447	0.119 8949	2711.9	2804
6.0	0.964 1455	1966.7		0.268 8931	6267.7		0.116 6364	2719.0	
6.5	0.966 4708	1908.8	2080	0.261 3623	6283.6	6479	0.113 3695	2725.9	2818
7.0	—0.968 7266	1850.8		+0.253 8127	6299.1		+0.110 0944	2732.6	
7.5	0.970 9127	1792.6	—1960	0.246 2446	6314.2	—6509	0.106 8114	2739.1	—2831
8.0	0.973 0289	1734.3		0.238 6588	6328.9		0.103 5206	2745.4	
8.5	0.975 0750	1675.8	1839	0.231 0556	6343.1	6537	0.100 2223	2751.6	2843
9.0	0.977 0508	1617.2		0.223 4356	6356.9		0.096 9168	2757.6	
9.5	0.978 9562	1558.4	1717	0.215 7993	6370.3	6563	0.093 6042	2763.4	2854
10.0	—0.980 7909	1499.4		+0.208 1472	6383.2		+0.090 2846	2769.0	
10.5	0.982 5548	1440.4	—1595	0.200 4798	6395.7	—6587	0.086 9584	2774.4	—2865
11.0	0.984 2478	1381.2		0.192 7976	6407.8		0.083 6260	2779.6	
11.5	0.985 8696	1321.8	1472	0.185 1012	6419.4	6609	0.080 2874	2784.7	2874
12.0	0.987 4201	1262.3		0.177 3911	6430.6		0.076 9428	2789.5	
12.5	0.988 8991	1202.6	1349	0.169 6678	6441.4	6630	0.073 5926	2794.1	2883
13.0	—0.990 3064	1142.9		+0.161 9319	6451.7		+0.070 2370	2798.6	
13.5	0.991 6419	1083.0	—1226	0.154 1838	6461.6	—6649	0.066 8761	2802.8	—2891
14.0	0.992 9054	1022.9		0.146 4241	6471.1		0.063 5103	2806.8	
14.5	0.994 0967	962.7	1102	0.138 6534	6480.1	6665	0.060 1397	2810.7	2898
15.0	0.995 2157	902.3		0.130 8722	6488.6		0.056 7646	2814.4	
15.5	0.996 2622	841.9	978	0.123 0811	6496.6	6679	0.053 3852	2817.9	2904
16.0	—0.997 2361	781.3		+0.115 2806	6504.2		+0.050 0017	2821.2	
16.5	0.998 1372	720.5	— 853	0.107 4713	6511.2	—6691	0.046 6145	2824.2	—2909
17.0	0.998 9653	659.6		0.099 6539	6517.8		0.043 2237	2827.0	
17.5	0.999 7203	598.7	729	0.091 8288	6523.9	6702	0.039 8297	2829.6	2914
18.0	1.000 4022	537.7		0.083 9967	6529.5		0.036 4328	2832.0	
18.5	1.001 0107	476.5	604	0.076 1581	6534.7	6711	0.033 0331	2834.2	2918
19.0	—1.001 5458	415.3		+0.068 3137	6539.3		+0.029 6308	2836.2	
19.5	1.002 0073	354.0	— 479	0.060 4641	6543.3	—6717	0.026 2263	2837.9	—2921
20.0	1.002 3952	292.6		0.052 6100	6546.8		0.022 8199	2839.4	
20.5	1.002 7094	231.1	354	0.044 7519	6549.8	6722	0.019 4117	2840.8	2923
21.0	1.002 9498	169.5		0.036 8905	6552.3		0.016 0021	2841.9	
21.5	1.003 1163	108.0	229	0.029 0264	6554.3	6725	0.012 5913	2842.7	2924
22.0	—1.003 2090	46.4		+0.021 1603	6555.8		+0.009 1796	2843.3	
22.5	1.003 2278	15.2	— 103	0.013 2927	6556.8	—6726	0.005 7673	2843.7	—2925
23.0	1.003 1726	76.8		+0.005 4243	6557.2		+0.002 3547	2843.9	
23.5	1.003 0435	138.3	+ 22	—0.002 4442	6557.0	6725	—0.001 0580	2843.9	2925
24.0	1.002 8406	199.8		0.010 3123	6556.3		0.004 4706	2843.7	
24.5	1.002 5639	261.4	148	0.018 1793	6555.2	6722	0.007 8827	2843.2	2923

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Sept. 24.5	−1.002 5639	261.4	+ 148	−0.018 1793	6555.2	−6722	−0.007 8827	2843.2	−2923
25.0	1.002 2133	322.9		0.026 0447	6553.6		0.011 2941	2842.5	
25.5	1.001 7889	384.4	273	0.033 9078	6551.4	6717	0.014 7046	2841.6	2920
26.0	1.001 2908	445.8		0.041 7679	6548.7		0.018 1139	2840.5	
26.5	1.000 7189	507.2	398	0.049 6246	6545.6	6709	0.021 5218	2839.2	2917
27.0	1.000 0734	568.6		0.057 4773	6542.1		0.024 9279	2837.7	
27.5	−0.999 3544	629.8	+ 523	−0.065 3254	6538.0	−6699	−0.028 3321	2835.9	−2913
28.0	0.998 5620	690.9		0.073 1682	6533.4		0.031 7340	2833.9	
28.5	0.997 6962	752.1	648	0.081 0053	6528.3	6688	0.035 1335	2831.8	2908
29.0	0.996 7570	813.2		0.088 8361	6522.8		0.038 5303	2829.4	
29.5	0.995 7446	874.2	773	0.096 6600	6516.9	6675	0.041 9241	2826.8	2902
30.0	0.994 6590	935.1		0.104 4764	6510.4		0.045 3146	2824.0	
30.5	−0.993 5003	996.1	+ 897	−0.112 2847	6503.5	−6660	−0.048 7018	2821.1	−2896
Okt. 1.0	0.992 2685	1056.9		0.120 0845	6496.2		0.052 0853	2818.0	
1.5	0.990 9638	1117.6	1021	0.127 8753	6488.4	6643	0.055 4649	2814.7	2889
2.0	0.989 5863	1178.3		0.135 6565	6480.2		0.058 8404	2811.1	
2.5	0.988 1360	1238.8	1145	0.143 4275	6471.4	6624	0.062 2114	2807.3	2881
3.0	0.986 6131	1299.3		0.151 1877	6462.2		0.065 5778	2803.4	
3.5	−0.985 0176	1359.8	+1269	−0.158 9366	6452.5	−6603	−0.068 9394	2799.2	−2872
4.0	0.983 3496	1420.2		0.166 6736	6442.4		0.072 2958	2794.8	
4.5	0.981 6092	1480.5	1392	0.174 3983	6431.9	6580	0.075 6468	2790.2	2862
5.0	0.979 7965	1540.7		0.182 1101	6421.0		0.078 9922	2785.4	
5.5	0.977 9116	1600.8	1515	0.189 8085	6409.6	6555	0.082 3318	2780.4	2851
6.0	0.975 9547	1660.7		0.197 4929	6397.7		0.085 6653	2775.3	
6.5	−0.973 9259	1720.6	+1637	−0.205 1627	6385.3	−6528	−0.088 9925	2770.0	−2839
7.0	0.971 8252	1780.5		0.212 8175	6372.5		0.092 3132	2764.4	
7.5	0.969 6527	1840.3	1759	0.220 4567	6359.3	6499	0.095 6270	2758.6	2826
8.0	0.967 4085	1900.0		0.228 0797	6345.6		0.098 9338	2752.7	
8.5	0.965 0928	1959.5	1881	0.235 6861	6331.5	6469	0.102 2334	2746.5	2813
9.0	0.962 7057	2019.0		0.243 2752	6316.9		0.105 5254	2740.1	
9.5	−0.960 2473	2078.3	+2002	−0.250 8465	6301.8	−6436	−0.108 8097	2733.6	−2799
10.0	0.957 7177	2137.6		0.258 3995	6286.3		0.112 0861	2726.9	
10.5	0.955 1170	2196.8	2122	0.265 9336	6270.3	6402	0.115 3542	2719.9	2784
11.0	0.952 4454	2255.8		0.273 4483	6253.9		0.118 6138	2712.7	
11.5	0.949 7030	2314.8	2241	0.280 9429	6237.1	6366	0.121 8647	2705.4	2768
12.0	0.946 8900	2373.6		0.288 4170	6219.8		0.125 1067	2697.9	
12.5	−0.944 0064	2432.3	+2360	−0.295 8701	6202.0	−6328	−0.128 3395	2690.1	−2751
13.0	0.941 0524	2490.9		0.303 3015	6183.7		0.131 5629	2682.1	
13.5	0.938 0282	2549.4	2478	0.310 7107	6164.9	6288	0.134 7766	2674.0	2734
14.0	0.934 9338	2607.8		0.318 0971	6145.6		0.137 9804	2665.6	
14.5	0.931 7694	2666.1	2596	0.325 4601	6125.9	6246	0.141 1739	2657.0	2716
15.0	0.928 5353	2724.2		0.332 7991	6105.7		0.144 3570	2648.2	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Okt. 15.0	−0.928 5353	2724.2		−0.332 7991	6105.7		−0.144 3570	2648.2	
15.5	0.925 2315	2782.1	+2713	0.340 1136	6085.0	−6202	0.147 5295	2639.2	−2697
16.0	0.921 8583	2839.9		0.347 4030	6063.9		0.150 6910	2630.0	
16.5	0.918 4158	2897.6	2829	0.354 6667	6042.2	6156	0.153 8414	2620.6	2677
17.0	0.914 9041	2955.1		0.361 9040	6020.0		0.156 9803	2611.0	
17.5	0.911 3236	3012.4	2944	0.369 1144	5997.3	6108	0.160 1075	2601.1	2656
18.0	−0.907 6745	3069.5		−0.376 2973	5974.1		−0.163 2228	2591.0	
18.5	0.903 9570	3126.4	+3058	0.383 4520	5950.4	−6059	0.166 3259	2580.7	−2635
19.0	0.900 1713	3183.1		0.390 5780	5926.2		0.169 4165	2570.2	
19.5	0.896 3177	3239.5	3171	0.397 6747	5901.5	6008	0.172 4943	2559.5	2613
20.0	0.892 3966	3295.7		0.404 7414	5876.3		0.175 5592	2548.6	
20.5	0.888 4081	3351.7	3284	0.411 7776	5850.6	5955	0.178 6109	2537.5	2590
21.0	−0.884 3525	3407.5		−0.418 7826	5824.4		−0.181 6492	2526.2	
21.5	0.886 2301	3463.0	+3395	0.425 7560	5797.7	−5900	0.184 6737	2514.7	−2566
22.0	0.876 0414	3518.1		0.432 6970	5770.6		0.187 6842	2502.9	
22.5	0.871 7867	3573.0	3506	0.439 6052	5743.0	5844	0.190 6805	2490.9	2541
23.0	0.867 4662	3627.7		0.446 4799	5714.9		0.193 6623	2478.8	
23.5	0.863 0803	3682.1	3615	0.453 3207	5686.4	5785	0.196 6295	2466.5	2516
24.0	−0.858 6293	3736.1		−0.460 1270	5657.4		−0.199 5817	2454.0	
24.5	0.854 1138	3789.8	+3723	0.466 8983	5628.0	−5725	0.202 5187	2441.3	−2490
25.0	0.849 5340	3843.2		0.473 6340	5598.2		0.205 4404	2428.3	
25.5	0.844 8902	3896.3	3830	0.480 3337	5567.9	5663	0.208 3465	2415.2	2463
26.0	0.840 1829	3949.1		0.486 9968	5537.2		0.211 2368	2401.9	
26.5	0.835 4124	4001.6	3936	0.493 6228	5506.1	5599	0.214 1110	2388.4	2435
27.0	−0.830 5791	4053.8		−0.500 2113	5474.6		−0.216 9690	2374.8	
27.5	0.825 6834	4105.7	+4041	0.506 7617	5442.7	−5534	0.219 8105	2361.0	−2406
28.0	0.820 7256	4157.3		0.513 2737	5410.4		0.222 6353	2347.0	
28.5	0.815 7061	4208.5	4144	0.519 7466	5377.7	5467	0.225 4432	2332.8	2377
29.0	0.810 6253	4259.4		0.526 1800	5344.6		0.228 2340	2318.5	
29.5	0.805 4836	4310.0	4246	0.532 5734	5311.1	5398	0.231 0075	2304.0	2347
30.0	−0.800 2814	4360.3		−0.538 9264	5277.2		−0.233 7635	2289.3	
30.5	0.795 0190	4410.3	+4347	0.545 2386	5243.0	−5328	0.236 5018	2274.4	−2317
31.0	0.789 6969	4459.9		0.551 5094	5208.4		0.239 2221	2259.4	
31.5	0.784 3153	4509.2	4447	0.557 7384	5173.4	5256	0.241 9243	2244.2	2286
Nov. 1.0	0.778 8747	4558.2		0.563 9253	5138.0		0.244 6082	2228.9	
1.5	0.773 3755	4607.0	4545	0.570 0694	5102.2	5183	0.247 2736	2213.4	2254
2.0	−0.767 8180	4655.4		−0.576 1703	5066.1		−0.249 9203	2197.7	
2.5	0.762 2027	4703.4	+4642	0.582 2277	5029.6	−5108	0.252 5481	2181.9	−2221
3.0	0.756 5300	4751.1		0.588 2411	4992.7		0.255 1568	2165.9	
3.5	0.750 8002	4798.5	4737	0.594 2100	4955.4	5032	0.257 7462	2149.7	2188
4.0	0.745 0138	4845.5		0.600 1340	4917.8		0.260 3160	2133.4	
4.5	0.739 1712	4892.2	4831	0.606 0126	4879.9	4954	0.262 8661	2116.9	2154

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Y	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Z	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1922									
Nov. 4.5	−0.739 1712	4892.2	+4831	−0.606 0126	4879.9	−4954	−0.262 8661	2116.9	−2154
5.0	0.733 2727	4938.6		0.611 8455	4841.6		0.265 3964	2100.3	
5.5	0.727 3187	4984.7	4923	0.617 6322	4802.9	4874	0.267 9067	2083.5	2120
6.0	0.721 3096	5030.4		0.623 3722	4763.8		0.270 3967	2066.5	
6.5	0.715 2459	5075.8	5014	0.629 0652	4724.4	4793	0.272 8662	2049.3	2085
7.0	0.709 1279	5120.8		0.634 7107	4684.7		0.275 3150	2032.0	
7.5	−0.702 9560	5165.5	+5104	−0.640 3083	4644.6	−4711	−0.277 7431	2014.6	−2049
8.0	0.696 7307	5209.9		0.645 8576	4604.1		0.280 1501	1997.0	
8.5	0.690 4525	5253.9	5192	0.651 3581	4563.3	4627	0.282 5359	1979.3	2012
9.0	0.684 1216	5297.6		0.656 8093	4522.1		0.284 9004	1961.4	
9.5	0.677 7384	5341.0	5278	0.662 2109	4480.5	4542	0.287 2433	1943.4	1975
10.0	0.671 3034	5383.9		0.667 5624	4438.6		0.289 5644	1925.2	
10.5	−0.664 8172	5426.4	+5363	−0.672 8633	4396.3	−4455	−0.291 8636	1906.8	−1937
11.0	0.658 2801	5468.7		0.678 1132	4353.6		0.294 1406	1888.2	
11.5	0.651 6924	5510.6	5446	0.683 3117	4310.6	4367	0.296 3953	1869.5	1899
12.0	0.645 0547	5552.1		0.688 4584	4267.2		0.298 6274	1850.6	
12.5	0.638 3674	5593.3	5528	0.693 5528	4223.4	4278	0.300 8368	1831.6	1860
13.0	0.631 6310	5634.0		0.698 5945	4179.2		0.303 0233	1812.5	
13.5	−0.624 8459	5674.4	+5608	−0.703 5829	4134.7	−4187	−0.305 1867	1793.2	−1821
14.0	0.618 0127	5714.3		0.708 5176	4089.8		0.307 3268	1773.7	
14.5	0.611 1317	5753.8	5686	0.713 3983	4044.6	4095	0.309 4435	1754.1	1781
15.0	0.604 2036	5792.9		0.718 2246	3999.0		0.311 5366	1734.3	
15.5	0.597 2288	5831.6	5763	0.722 9958	3953.0	4002	0.313 6058	1714.4	1741
16.0	0.590 2079	5869.8		0.727 7116	3906.6		0.315 6510	1694.3	
16.5	−0.583 1414	5907.6	+5837	−0.732 3715	3859.9	−3908	−0.317 6720	1674.0	−1700
17.0	0.576 0299	5944.9		0.736 9752	3812.8		0.319 6686	1653.6	
17.5	0.568 8739	5981.8	5910	0.741 5222	3765.4	3812	0.321 6406	1633.1	1658
18.0	0.561 6739	6018.2		0.746 0120	3717.7		0.323 5879	1612.4	
18.5	0.554 4305	6054.1	5981	0.750 4444	3669.6	3715	0.325 5103	1591.6	1616
19.0	0.547 1443	6089.5		0.754 8189	3621.2		0.327 4076	1570.6	
19.5	−0.539 8160	6124.3	+6050	−0.759 1352	3572.5	−3617	−0.329 2796	1549.5	−1573
20.0	0.532 4461	6158.7		0.763 3928	3523.5		0.331 1263	1528.3	
20.5	0.525 0353	6192.6	6117	0.767 5914	3474.2	3518	0.332 9474	1506.9	1530
21.0	0.517 5841	6226.0		0.771 7307	3424.6		0.334 7428	1485.4	
21.5	0.510 0932	6258.8	6183	0.775 8103	3374.7	3418	0.336 5124	1463.8	1486
22.0	0.502 5631	6291.2		0.779 8299	3324.6		0.338 2560	1442.1	
22.5	−0.494 9946	6323.0	+6246	−0.783 7892	3274.2	−3316	−0.339 9735	1420.3	−1442
23.0	0.487 3882	6354.3		0.787 6879	3223.6		0.341 6647	1398.4	
23.5	0.479 7445	6385.1	6308	0.791 5257	3172.7	3214	0.343 3296	1376.4	1397
24.0	0.472 0641	6415.4		0.795 3023	3121.6		0.344 9679	1354.2	
24.5	0.464 3477	6445.2	6368	0.799 0175	3070.3	3111	0.346 5796	1331.9	1352
25.0	0.456 5959	6474.5		0.802 6709	3018.8		0.348 1645	1309.6	

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
1922									
Nov. 25.0	—0.456 5959	6474.5		—0.802 6709	3018.8		—0.348 1645	1309.6	
25.5	0.448 8092	6503.2	+6426	0.806 2624	2967.0	—3007	0.349 7226	1287.2	—1307
26.0	0.440 9883	6531.5		0.809 7916	2915.0		0.351 2537	1264.7	
26.5	0.433 1337	6559.3	6482	0.813 2583	2862.8	2902	0.352 7578	1242.0	1261
27.0	0.425 2462	6586.5		0.816 6623	2810.4		0.354 2346	1219.2	
27.5	0.417 3263	6613.3	6536	0.820 0032	2757.7	2796	0.355 6840	1196.4	1215
28.0	—0.409 3746	6639.5		—0.823 2808	2704.9		—0.357 1060	1173.6	
28.5	0.401 3918	6665.2	+6588	0.826 4950	2652.0	—2689	0.358 5005	1150.6	—1169
29.0	0.393 3783	6690.5		0.829 6456	2598.9		0.359 8674	1127.6	
29.5	0.385 3348	6715.3	6637	0.832 7322	2545.5	2581	0.361 2066	1104.4	1122
30.0	0.377 2619	6739.5		0.835 7547	2491.9		0.362 5179	1081.1	
30.5	0.369 1603	6763.2	6684	0.838 7128	2438.2	2472	0.363 8012	1057.8	1075
Dez. 1.0	—0.361 0305	6786.4		—0.841 6064	2384.3		—0.365 0566	1034.5	
1.5	0.352 8731	6809.1	+6730	0.844 4351	2330.2	—2363	0.366 2839	1011.0	—1028
2.0	0.344 6888	6831.3		0.847 1988	2276.0		0.367 4829	987.4	
2.5	0.336 4781	6853.1	6774	0.849 8974	2221.6	2253	0.368 6536	963.8	980
3.0	0.328 2416	6874.3		0.852 5306	2167.1		0.369 7960	940.1	
3.5	0.319 9800	6895.0	6815	0.855 0983	2112.4	2143	0.370 9098	916.3	932
4.0	—0.311 6938	6915.2		—0.857 6002	2057.5		—0.371 9951	892.5	
4.5	0.303 3837	6934.9	+6854	0.860 0361	2002.4	—2032	0.373 0518	868.6	— 884
5.0	0.295 0502	6954.2		0.862 4059	1947.2		0.374 0798	844.6	
5.5	0.286 6938	6973.0	6891	0.864 7094	1891.9	1920	0.375 0789	820.5	835
6.0	0.278 3153	6991.2		0.866 9464	1836.4		0.376 0491	796.4	
6.5	0.269 9152	7008.9	6926	0.869 1167	1780.7	1807	0.376 9903	772.3	786
7.0	—0.261 4942	7026.1		—0.871 2200	1724.9		—0.377 9025	748.1	
7.5	0.253 0527	7042.9	+6959	0.873 2563	1668.9	—1694	0.378 7856	723.8	— 737
8.0	0.244 5914	7059.2		0.875 2253	1612.8		0.379 6395	699.4	
8.5	0.236 1109	7074.9	6990	0.877 1269	1556.5	1581	0.380 4641	675.0	688
9.0	0.227 6119	7090.1		0.878 9609	1500.1		0.381 2594	650.5	
9.5	0.219 0949	7104.8	7018	0.880 7271	1443.5	1467	0.382 0252	625.9	638
10.0	—0.210 5605	7119.0		—0.882 4252	1386.7		—0.382 7614	601.2	
10.5	0.202 0095	7132.6	+7045	0.884 0551	1329.8	—1352	0.383 4681	576.5	— 588
11.0	0.193 4424	7145.7		0.885 6167	1272.8		0.384 1451	551.8	
11.5	0.184 8598	7158.3	7069	0.887 1097	1215.6	1237	0.384 7923	527.0	538
12.0	0.176 2625	7170.3		0.888 5340	1158.2		0.385 4097	502.1	
12.5	0.167 6512	7181.8	7091	0.889 8893	1100.7	1122	0.385 9972	477.1	488
13.0	—0.159 0264	7192.7		—0.891 1756	1043.1		—0.386 5548	452.2	
13.5	0.150 3888	7203.1	+7111	0.892 3926	985.3	—1006	0.387 0824	427.2	— 437
14.0	0.141 7391	7212.9		0.893 5403	927.5		0.387 5800	402.1	
14.5	0.133 0780	7222.1	7129	0.894 6185	869.5	890	0.388 0474	376.9	387
15.0	0.124 4062	7230.7		0.895 6271	811.4		0.388 4845	351.7	
15.5	0.115 7245	7238.7	7144	0.896 5658	753.1	773	0.388 8914	326.5	336

Mittlere Zeit Greenwich	Mittleres Äquinoktium 1922.0								
	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Y*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Z*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
1922									
Dez. 15.5	−0.115 7245	7238.7	+7144	−0.896 5658	753.1	− 773	−0.388 8914	326.5	−336
16.0	0.107 0335	7246.2		0.897 4345	694.8		0.389 2680	301.2	
16.5	0.098 3339	7253.1	7157	0.898 2332	636.4	657	0.389 6143	275.9	286
17.0	0.089 6264	7259.3		0.898 9618	577.9		0.389 9302	250.6	
17.5	0.080 9118	7264.9	7168	0.899 6201	519.3	540	0.390 2157	225.3	235
18.0	0.072 1910	7269.8		0.900 2082	460.8		0.390 4708	199.9	
18.5	−0.063 4646	7274.2	+7177	−0.900 7260	402.2	− 423	−0.390 6954	174.5	−184
19.0	0.054 7332	7278.0		0.901 1734	343.5		0.390 8895	149.0	
19.5	0.045 9976	7281.2	7184	0.901 5504	284.8	306	0.391 0531	123.6	133
20.0	0.037 2585	7283.8		0.901 8570	226.1		0.391 1862	98.2	
20.5	0.028 5166	7285.8	7189	0.902 0931	167.4	189	0.391 2888	72.8	82
21.0	0.019 7728	7287.1		0.902 2588	108.7		0.391 3609	47.3	
21.5	−0.011 0277	7287.9	+7191	−0.902 3540	50.0	− 72	−0.391 4024	21.9	− 31
22.0	−0.002 2820	7288.1		0.902 3788	8.7		0.391 4134	3.6	
22.5	+0.006 4636	7287.7	7191	0.902 3332	67.3	+ 45	0.391 3938	29.9	+ 20
23.0	0.015 2083	7286.7		0.902 2173	125.9		0.391 3438	54.4	
23.5	0.023 9515	7285.2	7188	0.902 0310	184.5	163	0.391 2633	79.8	71
24.0	0.032 6926	7283.1		0.901 7745	243.0		0.391 1524	105.1	
24.5	+0.041 4308	7280.4	+7183	−0.901 4478	301.5	+ 280	−0.391 0110	130.5	+122
25.0	0.050 1654	7277.1		0.901 0509	360.0		0.390 8391	155.9	
25.5	0.058 8957	7273.3	7176	0.900 5839	418.4	397	0.390 6367	181.3	173
26.0	0.067 6210	7268.9		0.900 0468	476.7		0.390 4040	206.6	
26.5	0.076 3408	7263.9	7167	0.899 4398	535.0	514	0.390 1410	231.8	224
27.0	0.085 0542	7258.3		0.898 7628	593.3		0.389 8477	257.0	
27.5	+0.093 7606	7252.3	+7156	−0.898 0160	651.4	+ 631	−0.389 5241	282.2	+274
28.0	0.102 4594	7245.7		0.897 1995	709.4		0.389 1703	307.4	
28.5	0.111 1499	7238.5	7143	0.896 3134	767.4	748	0.388 7862	332.7	325
29.0	0.119 8314	7230.7		0.895 3577	825.3		0.388 3718	357.9	
29.5	0.128 5034	7222.5	7127	0.894 3326	883.1	864	0.387 9273	383.0	375
30.0	0.137 1652	7213.7		0.893 2383	940.8		0.387 4528	408.0	
30.5	+0.145 8160	7204.3	+7109	−0.892 0747	998.5	+ 980	−0.386 9482	433.0	+426
31.0	0.154 4552	7194.4		0.890 8419	1056.1		0.386 4136	458.0	
31.5	0.163 0823	7184.0	7088	0.889 5402	1113.5	1096	0.385 8490	482.9	476
32.0	0.171 6965	7173.0		0.888 1697	1170.7		0.385 2546	507.8	
32.5	0.180 2972		7065	0.886 7305		1211	0.384 6303		527

Frühlingsäquinoktium . .	März	20	22h
Sommersolstitium . . .	Juni	21	17
Herbstäquinoktium . . .	Sept.	23	8
Wintersolstitium . . .	Dez.	22	3
Perigäum	Jan.	3	3h
Apogäum	Juli	2	9

Mittlere Zeit Greenwich	Aberration	Parallaxe	Mittlere Zeit Greenwich	Mittlere Länge $L_\odot$	Mittlere Anomalie $M_\odot$
1922			1922		
Jan. − 1.0	20.″82	8.″95	Jan. − 0.5	278.°8802	357.°28
+ 9.0	20.82	8.95	+ 9.5	288.7367	7.14
19.0	20.80	8.94	19.5	298.5932	16.99
29.0	20.78	8.93	29.5	308.4497	26.85
Febr. 8.0	20.75	8.92	Febr. 8.5	318.3062	36.70
18.0	20.71	8.90	18.5	328.1627	46.56
28.0	20.66	8.88	28.5	338.0191	56.42
März 10.0	20.61	8.86	März 10.5	347.8756	66.27
20.0	20.55	8.83	20.5	357.7321	76.13
30.0	20.49	8.81	30.5	7.5886	85.98
April 9.0	20.43	8.78	April 9.5	17.4450	95.84
19.0	20.37	8.76	19.5	27.3015	105.70
29.0	20.32	8.74	29.5	37.1580	115.55
Mai 9.0	20.27	8.72	Mai 9.5	47.0144	125.41
19.0	20.23	8.70	19.5	56.8709	135.26
29.0	20.19	8.68	29.5	66.7274	145.12
Juni 8.0	20.16	8.67	Juni 8.5	76.5839	154.98
18.0	20.14	8.66	18.5	86.4403	164.83
28.0	20.13	8.66	28.5	96.2968	174.69
Juli 8.0	20.13	8.66	Juli 8.5	106.1533	184.54
18.0	20.14	8.66	18.5	116.0098	194.40
28.0	20.16	8.67	28.5	125.8662	204.26
Aug. 7.0	20.19	8.68	Aug. 7.5	135.7227	214.11
17.0	20.22	8.69	17.5	145.5792	223.97
27.0	20.26	8.71	27.5	155.4357	233.82
Sept. 6.0	20.31	8.73	Sept. 6.5	165.2921	243.68
16.0	20.37	8.76	16.5	175.1486	253.54
26.0	20.42	8.78	26.5	185.0051	263.39
Okt. 6.0	20.48	8.81	Okt. 6.5	194.8615	273.25
16.0	20.54	8.83	16.5	204.7180	283.10
26.0	20.60	8.85	26.5	214.5745	292.96
Nov. 5.0	20.65	8.88	Nov. 5.5	224.4310	302.82
15.0	20.70	8.90	15.5	234.2874	312.67
25.0	20.74	8.92	25.5	244.1439	322.53
Dez. 5.0	20.78	8.93	Dez. 5.5	254.0004	332.38
15.0	20.80	8.94	15.5	263.8569	342.24
25.0	20.81	8.95	25.5	273.7133	352.10
35.0	20.82	8.95	35.5	283.5698	1.95

Phasen des Mondes

			h	m				h	m
Erstes Viertel	Jan. 5		22	23.8	Erstes Viertel	Juli 1		10	51.9
Vollmond	13		2	36.5	Vollmond	8		15	7.3
Letztes Viertel	19		17	59.8	Letztes Viertel	16		17	11.0
Neumond	27		11	48.2	Neumond	24		0	47.1
Erstes Viertel	Febr. 4		16	52.3	Erstes Viertel	30		16	21.6
Vollmond	11		13	17.5	Vollmond	Aug. 7		4	18.7
Letztes Viertel	18		6	18.1	Letztes Viertel	15		8	45.8
Neumond	26		6	47.7	Neumond	22		8	34.0
Erstes Viertel	März 6		7	21.6	Erstes Viertel	28		23	54.9
Vollmond	12		23	14.4	Vollmond	Sept. 5		19	47.2
Letztes Viertel	19		20	43.0	Letztes Viertel	13		22	20.0
Neumond	28		1	3.4	Neumond	20		16	38.3
Erstes Viertel	April 4		17	45.6	Erstes Viertel	27		10	40.4
Vollmond	11		8	43.7	Vollmond	Okt. 5		12	58.3
Letztes Viertel	18		12	53.7	Letztes Viertel	13		9	55.4
Neumond	26		17	3.7	Neumond	20		1	40.2
Erstes Viertel	Mai 4		0	55.8	Erstes Viertel	27		1	26.4
Vollmond	10		18	6.2	Vollmond	Nov. 4		6	36.5
Letztes Viertel	18		6	16.9	Letztes Viertel	11		19	52.5
Neumond	26		6	4.0	Neumond	18		12	6.4
Erstes Viertel	Juni 2		6	10.1	Erstes Viertel	25		20	15.0
Vollmond	9		3	57.9	Vollmond	Dez. 3		23	23.6
Letztes Viertel	17		0	3.2	Letztes Viertel	11		4	40.7
Neumond	24		16	19.7	Neumond	18		0	20.0
					Erstes Viertel	25		17	53.1

Mond im Apogäum

		h
Jan.	2	10.9
	30	0.4
Febr.	26	2.8
März	25	7.6
April	21	22.2
Mai	19	16.5
Juni	16	11.3
Juli	14	5.4
Aug.	10	20.9
Sept.	7	6.2
Okt.	4	8.0
	31	15.2
Nov.	28	7.4
Dez.	26	4.1

Mond im Perigäum

		h
Jan.	14	11.8
Febr.	11	23.0
März	12	11.5
April	9	20.6
Mai	7	19.2
Juni	3	7.2
	28	15.4
Juli	26	3.5
Aug.	23	7.7
Sept.	20	17.6
Okt.	19	4.7
Nov.	16	12.1
Dez.	14	3.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h. m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Jan. 0.5	20 48 1	47 8	−13 14.6	2 58.3	54 19.5	11.2	14 49.7	3.0	310.794	+4.453
1.5	21 35 9	45 54	−10 16.3	3 21.6	54 8.3	3.9	14 46.7	1.0	322.725	+3.883
2.5	22 21 3	45 9	− 6 54.7	3 37.3	54 4.4	4.9	14 45.7	1.3	334.555	+3.147
3.5	23 6 12	45 0	− 3 17.4	3 45.6	54 9.3	14.5	14 47.0	3.9	346.344	+2.278
4.5	23 51 12	45 33	+ 0 28.2	3 46.8	54 23.8	24.7	14 50.9	6.7	358.168	+1.306
5.5	0 36 45	46 48	+ 4 15.0	3 40.5	54 48.5	34.7	14 57.6	9.5	10.111	+0.266
6.5	1 23 33	48 48	+ 7 55.5	3 25.2	55 23.2	43.9	15 7.1	12.0	22.265	−0.804
7.5	2 12 21	51 23	+11 20.7	2 59.4	56 7.1	51.2	15 19.1	13.9	34.723	−1.862
8.5	3 3 44	54 23	+14 20.1	2 20.9	56 58.3	55.5	15 33.0	15.1	47.570	−2.858
9.5	3 58 7	57 25	+16 41.0	1 28.9	57 53.8	55.6	15 48.1	15.2	60.871	−3.735
10.5	4 55 32	59 55	+18 9.9	0 24.4	58 49.4	50.8	16 3.3	13.8	74.659	−4.427
11.5	5 55 27	61 26	+18 34.3	0 48.3	59 40.2	40.6	16 17.1	11.1	88.919	−4.871
12.5	6 56 53	61 39	+17 46.0	2 1.4	60 20.8	26.1	16 28.2	7.1	103.582	−5.011
13.5	7 58 32	60 41	+15 44.6	3 6.3	60 46.9	8.7	16 35.3	2.4	118.527	−4.816
14.5	8 59 13	59 1	+12 38.3	3 55.6	60 55.6	8.7	16 37.7	2.4	133.595	−4.285
15.5	9 58 14	57 5	+ 8 42.7	4 25.6	60 46.9	24.1	16 35.3	6.6	148.620	−3.459
16.5	10 55 19	55 24	+ 4 17.1	4 36.0	60 22.8	35.5	16 28.7	9.6	163.456	−2.405
17.5	11 50 43	54 10	− 0 18.9	4 28.5	59 47.3	42.4	16 19.1	11.6	177.996	−1.212
18.5	12 44 53	53 25	− 4 47.4	4 6.1	59 4.9	45.2	16 7.5	12.3	192.187	+0.031
19.5	13 38 18	53 9	− 8 53.5	3 32.1	58 19.7	44.6	15 55.2	12.2	206.014	+1.243
20.5	14 31 27	53 8	−12 25.6	2 48.8	57 35.1	41.7	15 43.0	11.3	219.498	+2.355
21.5	15 24 35	53 9	−15 14.4	1 59.0	56 53.4	37.6	15 31.7	10.3	232.677	+3.314
22.5	16 17 44	53 2	−17 13.4	1 5.4	56 15.8	32.9	15 21.4	9.0	245.592	+4.083
23.5	17 10 46	52 33	−18 18.8	0 10.7	55 42.9	28.4	15 12.4	7.7	258.284	+4.634
24.5	18 3 19	51 40	−18 29.5	0 42.3	55 14.5	23.9	15 4.7	6.5	270.788	+4.953
25.5	18 54 59	50 26	−17 47.2	1 30.8	54 50.6	19.7	14 58.2	5.3	283.128	+5.036
26.5	19 45 25	49 1	−16 16.4	2 12.8	54 30.9	15.4	14 52.9	4.2	295.322	+4.885
27.5	20 34 26	47 35	−14 3.6	2 47.3	54 15.5	10.9	14 48.7	3.0	307.387	+4.516
28.5	21 22 1	46 19	−11 16.3	3 13.6	54 4.6	5.9	14 45.7	1.6	319.339	+3.950
29.5	22 8 20	45 24	− 8 2.7	3 31.7	53 58.7	0.1	14 44.1	0.1	331.200	+3.214
30.5	22 53 44	44 58	− 4 31.0	3 41.9	53 58.6	6.7	14 44.0	1.8	343.002	+2.341
31.5	23 38 42	45 4	− 0 49.1	3 44.6	54 5.3	14.4	14 45.8	4.0	354.788	+1.365
Febr. 1.5	0 23 46	45 49	+ 2 55.5	3 39.7	54 19.7	23.0	14 49.8	6.3	6.614	+0.325
2.5	1 9 35	47 10	+ 6 35.2	3 26.6	54 42.7	32.2	14 56.1	8.7	18.549	−0.741
3.5	1 56 45	49 9	+10 1.8	3 4.8	55 14.9	41.1	15 4.8	11.2	30.671	−1.792
4.5	2 45 54	51 40	+13 6.6	2 32.6	55 56.0	49.4	15 16.0	13.5	43.066	−2.784
5.5	3 37 34	54 28	+15 39.2	1 49.0	56 45.4	55.7	15 29.5	15.2	55.820	−3.668
6.5	4 32 2	57 13	+17 28.2	0 53.5	57 41.1	58.7	15 44.7	16.0	69.006	−4.389
7.5	5 29 15	59 29	+18 21.7	0 12.1	58 39.8	57.3	16 0.7	15.6	82.678	−4.890
8.5	6 28 44	60 53	+18 9.6	1 23.5	59 37.1	50.1	16 16.3	13.6	96.852	−5.116
9.5	7 29 37	61 13	+16 46.1	2 33.4	60 27.2	37.2	16 29.9	10.2	111.490	−5.021
10.5	8 30 50		+14 12.7		61 4.4		16 40.1		126.500	−4.585

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Jan. 0	20 27 34	125	−14 21.2	+ 6.4	54.4	1 49.8	1.92	21 26	1.2	6 50	2.5
1	21 16 50	121	−11 29.5	+ 7.8	54.2	2 35.0	1.85	21 53	1.1	7 51	2.5
2	22 4 33	118	− 8 9.8	+ 8.8	54.1	3 18.6	1.79	22 18	1.0	8 52	2.6
3	22 51 14	116	− 4 30.9	+ 9.4	54.1	4 1.3	1.77	22 42	1.0	9 54	2.6
4	23 37 32	116	− 0 40.7	+ 9.7	54.3	4 43.5	1.76	23 5	1.0	10 55	2.6
5	0 24 11	118	+ 3 13.3	+ 9.7	54.7	5 26.1	1.79	23 29	1.1	11 57	2.6
6	1 12 1	122	+ 7 2.9	+ 9.4	55.2	6 9.9	1.86	23 56	1.2	13 1	2.7
7	2 1 50	128	+10 39.1	+ 8.6	56.0	6 55.6	1.96	—	—	14 5	2.7
8	2 54 23	135	+13 50.6	+ 7.3	56.8	7 44.1	2.08	0 26	1.4	15 11	2.7
9	3 50 13	144	+16 23.9	+ 5.4	57.8	8 35.9	2.23	1 2	1.7	16 17	2.7
10	4 49 28	152	+18 3.5	+ 2.8	58.7	9 31.0	2.36	1 45	2.0	17 21	2.6
11	5 51 37	158	+18 34.8	− 0.3	59.6	10 29.1	2.46	2 37	2.4	18 21	2.4
12	6 55 33	161	+17 47.9	− 3.6	60.3	11 28.9	2.51	3 39	2.8	19 14	2.1
13	7 59 46	160	+15 41.5	− 6.8	60.8	12 29.0	2.49	4 49	3.1	20 0	1.8
14	9 2 53	156	+12 25.2	− 9.4	60.9	13 28.0	2.42	6 5	3.2	20 39	1.5
15	10 4 4	150	+ 8 17.0	−11.1	60.8	14 25.1	2.33	7 24	3.3	21 13	1.4
16	11 3 6	145	+ 3 38.9	−11.9	60.3	15 20.0	2.25	8 43	3.3	21 44	1.3
17	12 0 19	141	− 1 7.1	−11.8	59.7	16 13.2	2.18	10 1	3.2	22 14	1.2
18	12 56 14	139	− 5 41.8	−11.0	58.9	17 5.0	2.14	11 16	3.1	22 44	1.3
19	13 51 28	138	− 9 49.5	− 9.6	58.1	17 56.1	2.12	12 29	3.0	23 15	1.3
20	14 46 28	137	−13 18.0	− 7.7	57.4	18 47.0	2.12	13 39	2.8	23 48	1.5
21	15 41 29	138	−15 57.9	− 5.5	56.7	19 38.0	2.13	14 46	2.7	—	—
22	16 36 31	137	−17 42.8	− 3.2	56.1	20 28.9	2.12	15 48	2.5	0 25	1.7
23	17 31 16	136	−18 29.4	− 0.7	55.5	21 19.6	2.10	16 45	2.2	1 7	1.9
24	18 25 19	134	−18 17.8	+ 1.7	55.1	22 9.6	2.06	17 35	1.9	1 54	2.1
25	19 18 13	130	−17 11.4	+ 3.8	54.7	22 58.4	2.00	18 18	1.7	2 46	2.3
26	20 9 38	126	−15 16.1	+ 5.7	54.4	23 45.7	1.94	18 56	1.5	3 42	2.4
27	—	—	—	—	—	—	—	19 28	1.3	4 41	2.5
28	20 59 26	123	−12 40.0	+ 7.2	54.2	0 31.5	1.88	19 57	1.2	5 41	2.5
29	21 47 45	119	− 9 32.0	+ 8.4	54.0	1 15.7	1.82	20 23	1.1	6 42	2.5
30	22 34 52	117	− 6 1.1	+ 9.1	54.0	1 58.8	1.77	20 47	1.0	7 43	2.5
31	23 21 16	116	− 2 15.9	+ 9.6	54.0	2 41.1	1.76	21 10	1.0	8 44	2.6
Febr. 1	0 7 33	116	+ 1 35.1	+ 9.6	54.2	3 23.5	1.77	21 34	1.0	9 46	2.6
2	0 54 23	118	+ 5 23.9	+ 9.4	54.6	4 6.1	1.80	22 0	1.1	10 48	2.6
3	1 42 29	122	+ 9 2.0	+ 8.7	55.1	4 50.2	1.87	22 28	1.2	11 51	2.6
4	2 32 35	128	+12 20.0	+ 7.7	55.7	5 36.2	1.97	23 0	1.4	12 54	2.7
5	3 25 18	135	+15 7.1	+ 6.1	56.6	6 24.8	2.09	23 38	1.7	13 58	2.7
6	4 21 5	143	+17 10.7	+ 4.1	57.5	7 16.5	2.22	—	—	15 1	2.6
7	5 19 59	151	+18 17.3	+ 1.4	58.5	8 11.4	2.34	0 23	2.1	16 2	2.5
8	6 21 34	157	+18 14.7	− 1.7	59.5	9 8.8	2.44	1 18	2.5	16 58	2.2
9	7 24 52	159	+16 55.2	− 4.9	60.4	10 8.0	2.49	2 22	2.8	17 47	1.9
10	8 28 37	159	+14 19.4	− 8.0	61.1	11 7.7	2.48	3 35	3.1	18 30	1.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Febr. 10.5	8 30 50	60 36	+14 12.7	3 33.8	61 4.4	19.5	16 40.1	5.3	126.500	−4.585
11.5	9 31 26	59 22	+10 38.9	4 17.3	61 23.9	0.9	16 45.4	0.3	141.734	−3.818
12.5	10 30 48	57 59	+ 6 21.6	4 40.1	61 23.0	20.7	16 45.1	5.6	157.015	−2.776
13.5	11 28 47	56 42	+ 1 41.5	4 41.4	61 2.3	37.4	16 39.5	10.2	172.165	−1.543
14.5	12 25 29	55 42	− 2 59.9	4 23.7	60 24.9	48.7	16 29.3	13.3	187.034	−0.224
15.5	13 21 11	55 2	− 7 23.6	3 50.6	59 36.2	54.7	16 16.0	14.9	201.523	+1.079
16.5	14 16 13	54 32	−11 14.2	3 6.4	58 41.5	55.3	16 1.1	15.0	215.583	+2.279
17.5	15 10 45	54 5	−14 20.6	2 15.2	57 46.2	52.3	15 46.1	14.3	229.210	+3.313
18.5	16 4 50	53 32	−16 35.8	1 20.3	56 53.9	46.5	15 31.8	12.7	242.435	+4.137
19.5	16 58 22	52 45	−17 56.1	0 25.2	56 7.4	39.5	15 19.1	10.7	255.307	+4.728
20.5	17 51 7	51 41	−18 21.3	0 28.1	55 27.9	31.9	15 8.4	8.7	267.883	+5.076
21.5	18 42 48	50 26	−17 53.2	1 16.9	54 56.0	24.6	14 59.7	6.7	280.221	+5.181
22.5	19 33 14	49 3	−16 36.3	2 0.0	54 31.4	17.7	14 53.0	4.9	292.374	+5.049
23.5	20 22 17	47 42	−14 36.3	2 36.2	54 13.7	11.5	14 48.1	3.1	304.388	+4.696
24.5	21 9 59	46 32	−12 0.1	3 4.8	54 2.2	5.8	14 45.0	1.6	316.303	+4.140
25.5	21 56 31	45 39	− 8 55.3	3 25.7	53 56.4	0.6	14 43.4	0.1	328.151	+3.407
26.5	22 42 10	45 11	− 5 29.6	3 38.6	53 55.8	4.5	14 43.3	1.2	339.964	+2.528
27.5	23 27 21	45 8	− 1 51.0	3 43.5	54 0.3	9.9	14 44.5	2.7	351.772	+1.539
28.5	0 12 29	45 38	+ 1 52.5	3 40.3	54 10.2	15.6	14 47.2	4.2	3.610	+0.479
März 1.5	0 58 7	46 37	+ 5 32.8	3 29.0	54 25.8	21.9	14 51.4	6.0	15.518	−0.610
2.5	1 44 44	48 6	+ 9 1.8	3 8.7	54 47.7	28.7	14 57.4	7.8	27.543	−1.685
3.5	2 32 50	50 3	+12 10.5	2 39.2	55 16.4	36.0	15 5.2	9.8	39.741	−2.700
4.5	3 22 53	52 16	+14 49.7	2 0.1	55 52.4	43.0	15 15.0	11.8	52.176	−3.608
5.5	4 15 9	54 35	+16 49.8	1 10.8	56 35.4	49.1	15 26.8	13.4	64.912	−4.363
6.5	5 9 44	56 42	+18 0.6	0 12.7	57 24.5	53.4	15 40.2	14.5	78.014	−4.915
7.5	6 6 26	58 19	+18 13.3	0 52.0	58 17.9	54.4	15 54.7	14.8	91.533	−5.217
8.5	7 4 45	59 16	+17 21.3	1 58.9	59 12.3	51.0	16 9.5	13.9	105.497	−5.226
9.5	8 4 1	59 30	+15 22.4	3 1.7	60 3.3	42.2	16 23.4	11.5	119.899	−4.913
10.5	9 3 31	59 13	+12 20.7	3 53.9	60 45.5	28.0	16 34.9	7.7	134.687	−4.270
11.5	10 2 44	58 38	+ 8 26.8	4 29.5	61 13.5	9.6	16 42.6	2.6	149.760	−3.322
12.5	11 1 22	57 59	+ 3 57.3	4 44.7	61 23.1	10.5	16 45.2	2.9	164.974	−2.131
13.5	11 59 21	57 28	− 0 47.4	4 38.5	61 12.6	29.6	16 42.3	8.1	180.166	−0.790
14.5	12 56 49	57 2	− 5 25.9	4 12.6	60 43.0	44.7	16 34.2	12.1	195.174	+0.593
15.5	13 53 51	56 39	− 9 38.5	3 31.1	59 58.3	54.5	16 22.1	14.9	209.866	+1.908
16.5	14 50 30	56 9	−13 9.6	2 39.0	59 3.8	58.4	16 7.2	15.9	224.152	+3.067
17.5	15 46 39	55 22	−15 48.6	1 41.2	58 5.4	57.3	15 51.3	15.6	237.988	+4.008
18.5	16 42 1	54 15	−17 29.8	0 42.7	57 8.1	52.4	15 35.7	14.3	251.374	+4.698
19.5	17 36 16	52 51	−18 12.5	0 13.4	56 15.7	45.0	15 21.4	12.3	264.344	+5.123
20.5	18 29 7	51 13	−17 59.1	1 4.4	55 30.7	36.1	15 9.1	9.8	276.952	+5.287
21.5	19 20 20	49 34	−16 54.7	1 49.1	54 54.6	26.9	14 59.3	7.3	289.264	+5.203
22.5	20 9 54	48 0	−15 5.6	2 26.5	54 27.7	17.8	14 52.0	4.9	301.351	+4.888
23.5	20 57 54		−12 39.1		54 9.9		14 47.1		313.280	+4.364

Tag	Obere Kulmination in Greenwich AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Febr. 10	8 28 37	159	+14 19.4	− 8.0	61.1	11 7.7	2.48	3 35	3.1	18 30	1.7
11	9 31 42	156	+10 37.8	−10.4	61.4	12 6.7	2.43	4 53	3.3	19 8	1.5
12	10 33 25	152	+ 6 9.4	−11.8	61.4	13 4.3	2.37	6 14	3.4	19 42	1.4
13	11 33 34	148	+ 1 17.7	−12.3	61.0	14 0.3	2.30	7 35	3.3	20 14	1.3
14	12 32 18	145	− 3 33.3	−11.8	60.3	14 55.0	2.25	8 54	3.2	20 45	1.3
15	13 29 58	143	− 8 2.8	−10.5	59.5	15 48.5	2.21	10 11	3.1	21 16	1.4
16	14 26 54	142	−11 54.4	− 8.7	58.5	16 41.4	2.19	11 25	3.0	21 50	1.5
17	15 23 19	140	−14 56.7	− 6.5	57.6	17 33.7	2.17	12 35	2.8	22 26	1.6
18	16 19 14	139	−17 2.7	− 4.0	56.7	18 25.5	2.15	13 40	2.6	23 7	1.8
19	17 14 27	137	−18 9.5	− 1.5	55.9	19 16.7	2.11	14 39	2.3	23 53	2.0
20	18 8 43	134	−18 17.5	+ 0.9	55.3	20 6.9	2.07	15 32	2.0	—	—
21	19 1 44	131	−17 30.0	+ 3.1	54.8	20 55.8	2.01	16 17	1.7	0 43	2.2
22	19 53 16	127	−15 52.5	+ 5.0	54.4	21 43.3	1.95	16 56	1.5	1 37	2.3
23	20 43 17	123	−13 32.0	+ 6.6	54.1	22 29.2	1.88	17 30	1.3	2 35	2.4
24	21 31 53	120	−10 36.7	+ 7.9	54.0	23 13.8	1.83	18 0	1.2	3 34	2.5
25	22 19 20	117	− 7 14.9	+ 8.8	53.9	23 57.2	1.79	18 27	1.1	4 34	2.5
26	—	—	—	—	—	—	—	18 52	1.0	5 35	2.6
27	23 6 2	116	− 3 35.3	+ 9.4	54.0	0 39.8	1.77	19 16	1.0	6 37	2.6
28	23 52 28	116	+ 0 13.4	+ 9.6	54.1	1 22.2	1.77	19 40	1.0	7 38	2.6
März 1	0 39 10	118	+ 4 2.7	+ 9.4	54.3	2 4.8	1.79	20 5	1.1	8 40	2.6
2	1 26 43	120	+ 7 43.6	+ 8.9	54.6	2 48.3	1.84	20 32	1.2	9 42	2.6
3	2 15 42	125	+11 6.9	+ 8.0	55.1	3 33.2	1.91	21 2	1.4	10 45	2.6
4	3 6 40	130	+14 2.7	+ 6.6	55.7	4 20.1	2.00	21 37	1.6	11 47	2.6
5	4 0 1	136	+16 20.1	+ 4.8	56.4	5 9.4	2.11	22 18	1.9	12 49	2.5
6	4 55 55	143	+17 48.1	+ 2.5	57.2	6 1.2	2.21	23 7	2.2	13 49	2.4
7	5 54 17	149	+18 15.9	− 0.2	58.1	6 55.5	2.31	—	—	14 45	2.2
8	6 54 36	153	+17 35.0	− 3.2	59.1	7 51.7	2.37	0 4	2.6	15 36	2.0
9	7 56 7	155	+15 41.9	− 6.2	59.9	8 49.1	2.41	1 10	2.9	16 20	1.8
10	8 58 2	155	+12 39.9	− 8.9	60.7	9 46.9	2.41	2 23	3.2	16 59	1.6
11	9 59 38	153	+ 8 40.1	−11.0	61.2	10 44.4	2.38	3 41	3.3	17 35	1.4
12	11 0 36	152	+ 4 0.9	−12.1	61.4	11 41.3	2.35	5 2	3.4	18 8	1.3
13	12 0 51	150	− 0 54.8	−12.3	61.2	12 37.4	2.33	6 23	3.3	18 40	1.3
14	13 0 30	149	− 5 43.2	−11.5	60.7	13 33.0	2.30	7 43	3.3	19 12	1.4
15	13 59 42	147	−10 2.4	− 9.9	59.9	14 28.1	2.29	9 1	3.2	19 46	1.5
16	14 58 27	146	−13 35.4	− 7.7	58.9	15 22.7	2.27	10 16	3.0	20 23	1.6
17	15 56 35	144	−16 10.9	− 5.2	57.9	16 16.8	2.23	11 26	2.8	21 3	1.8
18	16 53 48	142	−17 43.9	− 2.6	56.9	17 9.9	2.19	12 29	2.5	21 48	2.0
19	17 49 42	138	−18 14.2	0.0	56.1	18 1.7	2.12	13 25	2.2	22 38	2.2
20	18 43 56	133	−17 45.6	+ 2.3	55.3	18 51.9	2.05	14 14	1.9	23 32	2.3
21	19 36 21	129	−16 24.3	+ 4.4	54.8	19 40.2	1.97	14 56	1.6	—	—
22	20 26 57	124	−14 18.0	+ 6.1	54.3	20 26.8	1.90	15 32	1.4	0 29	2.4
23	21 15 56	121	−11 34.5	+ 7.5	54.1	21 11.7	1.84	16 3	1.2	1 27	2.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h m s	m s	° '	° '	' "	"	' "	"	°	°
März 23.5	20 57 54	46 43	−12 39.1	2 56.8	54 9.9	9.6	14 47.1	2.6	313.280	+4.364
24.5	21 44 37	45 47	9 42.3	3 19.7	54 0.3	2.2	14 44.5	0.6	325.115	+3.658
25.5	22 30 24	45 17	6 22.6	3 35.2	53 58.1	4.3	14 43.9	1.2	336.913	+2.798
26.5	23 15 41	45 15	− 2 47.4	3 42.8	54 2.4	9.8	14 45.1	2.6	348.722	+1.817
27.5	0 0 56	45 43	+ 0 55.4	3 42.4	54 12.2	14.5	14 47.7	4.0	0.582	+0.753
28.5	0 46 39	46 39	4 37.8	3 33.3	54 26.7	18.9	14 51.7	5.1	12.532	−0.351
29.5	1 33 18	48 0	+ 8 11.1	3 15.0	54 45.6	23.0	14 56.8	6.3	24.603	−1.452
30.5	2 21 18	49 42	11 26.1	2 47.2	55 8.6	27.1	15 3.1	7.4	36.827	−2.500
31.5	3 11 0	51 35	14 13.3	2 9.7	55 35.7	31.3	15 10.5	8.5	49.235	−3.446
April 1.5	4 2 35	53 28	16 23.0	1 22.8	56 7.0	35.6	15 19.0	9.7	61.861	−4.241
2.5	4 56 3	55 9	17 45.8	0 27.9	56 42.6	39.6	15 28.7	10.8	74.738	−4.841
3.5	5 51 12	56 24	18 13.7	0 32.4	57 22.2	42.6	15 39.5	11.6	87.901	−5.202
4.5	6 47 36	57 9	+17 41.3	1 35.0	58 4.8	43.8	15 51.1	12.0	101.379	−5.290
5.5	7 44 45	57 24	16 6.3	2 35.0	58 48.6	42.2	16 3.1	11.5	115.192	−5.080
6.5	8 42 9	57 19	13 31.3	3 28.1	59 30.8	37.0	16 14.6	10.0	129.340	−4.561
7.5	9 39 28	57 6	10 3.2	4 9.1	60 7.8	27.3	16 24.6	7.5	143.800	−3.745
8.5	10 36 34	56 58	5 54.1	4 34.3	60 35.1	13.9	16 32.1	3.8	158.516	−2.671
9.5	11 33 32	57 1	+ 1 19.8	4 40.4	60 49.0	2.5	16 35.9	0.7	173.398	−1.406
10.5	12 30 33	57 13	− 3 20.6	4 26.6	60 46.5	19.5	16 35.2	5.3	188.332	−0.041
11.5	13 27 46	57 29	7 47.2	3 54.2	60 27.0	34.7	16 29.9	9.5	203.184	+1.319
12.5	14 25 15	57 34	11 41.4	3 6.6	59 52.3	46.4	16 20.4	12.6	217.828	+2.572
13.5	15 22 49	57 13	14 48.0	2 9.0	59 5.9	53.2	16 7.8	14.5	232.154	+3.633
14.5	16 20 2	56 20	16 57.0	1 7.1	58 12.7	54.9	15 53.3	15.0	246.088	+4.447
15.5	17 16 22	54 52	18 4.1	0 6.5	57 17.8	52.3	15 38.3	14.2	259.595	+4.985
16.5	18 11 14	52 59	−18 10.6	0 49.1	56 25.5	46.2	15 24.1	12.6	272.678	+5.243
17.5	19 4 13	50 57	17 21.5	1 37.4	55 39.3	37.9	15 11.5	10.4	285.370	+5.235
18.5	19 55 10	48 59	15 44.1	2 17.6	55 1.4	28.3	15 1.1	7.7	297.731	+4.982
19.5	20 44 9	47 19	13 26.5	2 49.8	54 33.1	18.3	14 53.4	4.9	309.833	+4.511
20.5	21 31 28	46 4	10 36.7	3 14.4	54 14.8	8.4	14 48.5	2.3	321.754	+3.851
21.5	22 17 32	45 22	7 22.3	3 31.7	54 6.4	0.6	14 46.2	0.1	333.575	+3.032
22.5	23 2 54	45 12	− 3 50.6	3 41.8	54 7.0	8.7	14 46.3	2.4	345.371	+2.086
23.5	23 48 6	45 37	− 0 8.8	3 44.3	54 15.7	15.3	14 48.7	4.2	357.211	+1.049
24.5	0 33 43	46 33	+ 3 35.5	3 38.4	54 31.0	20.5	14 52.9	5.6	9.155	−0.042
25.5	1 20 16	48 0	7 13.9	3 23.5	54 51.5	24.5	14 58.5	6.6	21.251	−1.143
26.5	2 8 16	49 46	10 37.4	2 58.2	55 16.0	27.1	15 5.1	7.4	33.536	−2.206
27.5	2 58 2	51 43	13 35.6	2 22.6	55 43.1	28.7	15 12.5	7.8	46.032	−3.180
28.5	3 49 45	53 37	+15 58.2	1 36.7	56 11.8	29.8	15 20.3	8.2	58.754	−4.013
29.5	4 43 22	55 10	17 34.9	0 42.3	56 41.6	30.4	15 28.5	8.2	71.705	−4.656
30.5	5 38 32	56 11	18 17.2	0 17.8	57 12.0	30.6	15 36.7	8.4	84.885	−5.066
Mai 1.5	6 34 43	56 35	17 59.4	1 19.5	57 42.6	30.4	15 45.1	8.3	98.288	−5.208
2.5	7 31 18	56 26	16 39.9	2 18.4	58 13.0	29.7	15 53.4	8.1	111.907	−5.062
3.5	8 27 44		14 21.5		58 42.7		16 1.5		125.734	−4.623

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
März 23	21 15 56	121	−11 34.5	+ 7.5	54.1	21 11.7	1.84	16 3	1.2	1 27	2.5
24	22 3 38	118	− 8 22.1	+ 8.5	54.0	21 55.3	1.80	16 31	1.1	2 27	2.5
25	22 50 30	117	− 4 48.7	+ 9.2	54.0	22 38.1	1.77	16 56	1.0	3 28	2.5
26	23 37 3	116	− 1 2.6	+ 9.6	54.1	23 20.6	1.77	17 20	1.0	4 29	2.5
27	—	—	—	—	—	—	—	17 44	1.0	5 30	2.6
28	0 23 49	118	+ 2 47.7	+ 9.6	54.3	0 3.3	1.79	18 9	1.1	6 32	2.6
29	1 11 21	120	+ 6 33.1	+ 9.2	54.6	0 46.8	1.84	18 36	1.2	7 35	2.6
30	2 0 10	124	+10 3.9	+ 8.3	55.0	1 31.5	1.89	19 5	1.3	8 38	2.6
31	2 50 41	129	+13 9.7	+ 7.1	55.4	2 18.0	1.98	19 38	1.5	9 41	2.6
April 1	3 43 15	134	+15 39.9	+ 5.4	55.9	3 6.5	2.06	20 17	1.7	10 43	2.5
2	4 37 55	139	+17 23.8	+ 3.2	56.5	3 57.1	2.15	21 2	2.0	11 42	2.4
3	5 34 34	144	+18 11.5	+ 0.7	57.2	4 49.6	2.23	21 55	2.4	12 38	2.2
4	6 32 46	147	+17 55.8	− 2.0	57.9	5 43.8	2.28	22 56	2.7	13 29	2.0
5	7 31 58	149	+16 32.9	− 4.9	58.6	6 38.9	2.31	—	—	14 15	1.8
6	8 31 33	149	+14 4.1	− 7.5	59.4	7 34.4	2.31	0 4	2.9	14 55	1.6
7	9 31 6	149	+10 36.5	− 9.7	60.0	8 29.8	2.31	1 17	3.1	15 31	1.4
8	10 30 26	148	+ 6 22.4	−11.3	60.5	9 25.0	2.30	2 34	3.3	16 4	1.3
9	11 29 35	148	+ 1 39.3	−12.1	60.8	10 20.1	2.29	3 53	3.3	16 35	1.3
10	12 28 46	148	− 3 11.9	−12.0	60.8	11 15.2	2.30	5 12	3.3	17 7	1.3
11	13 28 12	149	− 7 49.1	−11.0	60.4	12 10.5	2.31	6 31	3.3	17 40	1.4
12	14 27 54	150	−11 51.1	− 9.1	59.8	13 6.1	2.32	7 49	3.2	18 15	1.6
13	15 27 41	149	−15 1.2	− 6.7	59.0	14 1.8	2.31	9 3	3.0	18 55	1.8
14	16 27 2	147	−17 8.6	− 3.9	58.1	14 57.1	2.28	10 12	2.7	19 39	1.9
15	17 25 17	144	−18 9.2	− 1.1	57.2	15 51.2	2.23	11 13	2.4	20 28	2.1
16	18 21 49	139	−18 5.2	+ 1.4	56.3	16 43.7	2.14	12 7	2.1	21 22	2.3
17	19 16 13	133	−17 3.0	+ 3.7	55.5	17 34.0	2.05	12 53	1.8	22 19	2.4
18	20 8 21	128	−15 11.2	+ 5.6	54.9	18 22.1	1.96	13 31	1.5	23 18	2.5
19	20 58 22	123	−12 39.0	+ 7.1	54.4	19 8.0	1.87	14 4	1.3	—	—
20	21 46 41	119	− 9 35.3	+ 8.2	54.2	19 52.3	1.82	14 33	1.1	0 18	2.5
21	22 33 49	117	− 6 8.2	+ 9.0	54.1	20 35.3	1.78	14 59	1.0	1 18	2.5
22	23 20 24	116	− 2 25.5	+ 9.5	54.2	21 17.9	1.77	15 24	1.0	2 19	2.5
23	0 7 2	117	+ 1 24.9	+ 9.6	54.4	22 0.4	1.79	15 48	1.0	3 20	2.6
24	0 54 23	120	+ 5 14.4	+ 9.4	54.7	22 43.7	1.82	16 12	1.0	4 22	2.6
25	1 43 0	124	+ 8 53.7	+ 8.8	55.0	23 28.3	1.89	16 38	1.1	5 25	2.6
26	—	—	—	—	—	—	—	17 7	1.3	6 28	2.6
27	2 33 25	128	+12 12.1	+ 7.7	55.5	0 14.6	1.98	17 39	1.5	7 32	2.7
28	3 25 55	134	+14 58.3	+ 6.1	56.0	1 3.0	2.06	18 16	1.7	8 36	2.6
29	4 20 34	139	+17 0.4	+ 4.0	56.5	1 53.6	2.15	19 0	2.0	9 37	2.5
30	5 17 10	143	+18 7.8	+ 1.5	57.0	2 46.1	2.22	19 51	2.3	10 35	2.3
Mai 1	6 15 8	146	+18 12.5	− 1.2	57.5	3 40.0	2.27	20 49	2.6	11 27	2.1
2	7 13 48	147	+17 11.0	− 3.9	58.1	4 34.6	2.28	21 54	2.8	12 14	1.8
3	8 12 27	146	+15 4.6	− 6.5	58.6	5 29.2	2.27	23 4	3.0	12 55	1.6

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Mai	3.5	8 27 44	55 58	+14 21.5	3 10.4	58 42.7	27.5	16 1.5	7.5	125.734	−4.623
	4.5	9 23 42	55 27	11 11.1	3 52.0	59 10.2	23.6	16 9.0	6.4	139.761	−3.904
	5.5	10 19 9	55 9	7 19.1	4 20.3	59 33.8	17.3	16 15.4	4.7	153.969	−2.938
	6.5	11 14 18	55 12	+ 2 58.8	4 33.1	59 51.1	8.6	16 20.1	2.3	168.331	−1.778
	7.5	12 9 30	55 37	− 1 34.3	4 28.5	59 59.7	2.4	16 22.4	0.6	182.802	−0.497
	8.5	13 5 7	56 19	6 2.8	4 6.5	59 57.3	14.5	16 21.8	4.0	197.318	+0.817
	9.5	14 1 26	57 2	−10 9.3	3 28.0	59 42.8	26.3	16 17.8	7.1	211.796	+2.073
	10.5	14 58 28	57 30	13 37.3	2 36.1	59 16.5	36.5	16 10.7	10.0	226.144	+3.184
	11.5	15 55 58	57 20	16 13.4	1 35.6	58 40.0	43.6	16 0.7	11.8	240.269	+4.080
	12.5	16 53 18	56 27	17 49.0	0 32.5	57 56.4	46.9	15 48.9	12.8	254.091	+4.714
	13.5	17 49 45	54 51	18 21.5	0 27.9	57 9.5	46.4	15 36.1	12.7	267.559	+5.067
	14.5	18 44 36	52 47	17 53.6	1 21.6	56 23.1	42.5	15 23.4	11.6	280.648	+5.142
	15.5	19 37 23	50 33	−16 32.0	2 6.3	55 40.6	35.7	15 11.8	9.7	293.371	+4.959
	16.5	20 27 56	48 29	14 25.7	2 42.1	55 4.9	27.2	15 2.1	7.4	305.765	+4.544
	17.5	21 16 25	46 48	11 43.6	3 9.0	54 37.7	17.2	14 54.7	4.7	317.892	+3.933
	18.5	22 3 13	45 40	8 34.6	3 28.2	54 20.5	7.0	14 50.0	1.9	329.829	+3.158
	19.5	22 48 53	45 9	5 6.4	3 40.1	54 13.5	3.1	14 48.1	0.8	341.660	+2.255
	20.5	23 34 2	45 18	− 1 26.3	3 44.9	54 16.6	12.5	14 48.9	3.4	353.473	+1.257
	21.5	0 19 20	46 5	+ 2 18.6	3 42.3	54 29.1	20.7	14 52.3	5.7	5.352	+0.200
	22.5	1 5 25	47 29	6 0.9	3 31.0	54 49.8	27.2	14 58.0	7.4	17.375	−0.876
	23.5	1 52 54	49 22	9 31.9	3 10.2	55 17.0	31.7	15 5.4	8.6	29.606	−1.928
	24.5	2 42 16	51 34	12 42.1	2 38.2	55 48.7	34.0	15 14.0	9.3	42.095	−2.907
	25.5	3 33 50	53 49	15 20.3	1 55.1	56 22.7	34.3	15 23.3	9.4	54.870	−3.762
	26.5	4 27 39	55 45	17 15.4	1 1.5	56 57.0	32.6	15 32.7	8.8	67.938	−4.438
	27.5	5 23 24	57 2	+18 16.9	0 0.4	57 29.6	29.2	15 41.5	8.0	81.282	−4.888
	28.5	6 20 26	57 31	18 17.3	1 3.7	57 58.8	25.1	15 49.5	6.8	94.869	−5.072
	29.5	7 17 57	57 11	17 13.6	2 5.4	58 23.9	20.5	15 56.3	5.6	108.651	−4.967
	30.5	8 15 8	56 21	15 8.2	2 59.5	58 44.4	15.9	16 1.9	4.3	122.580	−4.569
	31.5	9 11 29	55 18	12 8.7	3 42.4	59 0.3	11.2	16 6.2	3.1	136.610	−3.895
Juni	1.5	10 6 47	54 26	8 26.3	4 12.0	59 11.5	6.5	16 9.3	1.8	150.703	−2.981
	2.5	11 1 13	53 59	+ 4 14.3	4 26.7	59 18.0	1.6	16 11.1	0.4	164.833	−1.882
	3.5	11 55 12	54 1	− 0 12.4	4 26.2	59 19.6	4.0	16 11.5	1.1	178.980	−0.668
	4.5	12 49 13	54 32	4 38.6	4 10.1	59 15.6	10.2	16 10.4	2.7	193.124	+0.587
	5.5	13 43 45	55 21	8 48.7	3 39.2	59 5.4	17.0	16 7.7	4.7	207.239	+1.801
	6.5	14 39 6	56 11	12 27.9	2 54.6	58 48.4	24.0	16 3.0	6.5	221.287	+2.897
	7.5	15 35 17	56 41	15 22.5	1 59.7	58 24.4	30.1	15 56.5	8.3	235.218	+3.809
	8.5	16 31 58	56 33	−17 22.2	0 58.6	57 54.3	35.0	15 48.2	9.5	248.977	+4.485
	9.5	17 28 31	55 39	18 20.8	0 3.1	57 19.3	37.7	15 38.7	10.2	262.506	+4.895
	10.5	18 24 10	54 2	18 17.7	1 0.7	56 41.6	37.8	15 28.5	10.3	275.758	+5.031
	11.5	19 18 12	51 59	17 17.0	1 50.5	56 3.8	35.3	15 18.2	9.7	288.705	+4.902
	12.5	20 10 11	49 48	15 26.5	2 30.9	55 28.5	30.3	15 8.5	8.2	301.343	+4.533
	13.5	20 59 59		12 55.6		54 58.2		15 0.3		313.693	+3.958

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	0^h Länge, +50° Breite: Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1922	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Mai 3	8 12 27	146	+15 4.6	− 6.5	58.6	5 29.2	2.27	23 4	3.0	12 55	1.6
4	9 10 40	145	+11 59.8	− 8.8	59.1	6 23.3	2.24	—	—	13 31	1.4
5	10 8 17	143	+ 8 7.4	−10.5	59.5	7 16.8	2.22	0 18	3.1	14 4	1.3
6	11 5 30	143	+ 3 41.6	−11.5	59.8	8 9.9	2.21	1 33	3.1	14 35	1.3
7	12 2 42	143	− 1 0.6	−11.8	60.0	9 3.0	2.22	2 49	3.2	15 5	1.3
8	13 0 19	145	− 5 40.4	−11.3	60.0	9 56.6	2.25	4 6	3.2	15 36	1.3
9	13 58 42	147	− 9 58.3	−10.0	59.7	10 50.9	2.27	5 23	3.2	16 9	1.5
10	14 57 55	149	−13 35.5	− 8.0	59.3	11 46.0	2.31	6 39	3.1	16 46	1.6
11	15 57 37	149	−16 17.0	− 5.4	58.6	12 41.6	2.32	7 51	2.9	17 28	1.8
12	16 57 8	148	−17 53.1	− 2.6	57.9	13 37.0	2.29	8 57	2.6	18 15	2.1
13	17 55 36	144	−18 21.3	+ 0.2	57.1	14 31.4	2.23	9 55	2.3	19 7	2.3
14	18 52 13	139	−17 45.1	+ 2.7	56.3	15 23.9	2.14	10 46	1.9	20 4	2.4
15	19 46 28	132	−16 12.7	+ 4.9	55.6	16 14.1	2.04	11 28	1.6	21 4	2.5
16	20 38 16	126	−13 54.4	+ 6.6	55.0	17 1.8	1.94	12 4	1.4	22 5	2.5
17	21 27 51	122	−11 0.2	+ 7.9	54.5	17 47.3	1.86	12 35	1.2	23 6	2.5
18	22 15 43	118	− 7 39.6	+ 8.8	54.3	18 31.1	1.80	13 3	1.1	—	—
19	23 2 31	116	− 4 1.0	+ 9.4	54.2	19 13.9	1.77	13 28	1.0	0 7	2.5
20	23 48 58	116	− 0 12.1	+ 9.6	54.3	19 56.3	1.77	13 52	1.0	1 8	2.6
21	0 35 49	118	+ 3 39.5	+ 9.6	54.6	20 39.1	1.80	14 16	1.0	2 10	2.6
22	1 23 47	122	+ 7 25.2	+ 9.2	55.0	21 22.9	1.86	14 41	1.1	3 12	2.6
23	2 13 30	127	+10 55.4	+ 8.3	55.5	22 8.6	1.95	15 8	1.2	4 15	2.7
24	3 5 29	133	+13 58.9	+ 6.9	56.1	22 56.5	2.05	15 38	1.4	5 19	2.7
25	3 59 59	139	+16 22.9	+ 5.0	56.7	23 46.9	2.16	16 14	1.6	6 24	2.7
26	—	—	—	—	—	—	—	16 55	1.9	7 27	2.6
27	4 56 51	145	+17 55.1	+ 2.6	57.2	0 39.7	2.24	17 44	2.2	8 28	2.4
28	5 55 32	148	+18 24.9	− 0.2	57.8	1 34.3	2.30	18 42	2.5	9 24	2.2
29	6 55 10	149	+17 46.4	− 3.0	58.2	2 29.8	2.32	19 46	2.8	10 14	1.9
30	7 54 46	148	+15 59.7	− 5.8	58.6	3 25.4	2.30	20 55	2.9	10 57	1.7
31	8 53 36	146	+13 11.3	− 8.2	58.9	4 20.1	2.25	22 7	3.0	11 35	1.5
Juni 1	9 51 17	143	+ 9 32.6	−10.0	59.1	5 13.7	2.21	23 21	3.1	12 8	1.3
2	10 47 55	141	+ 5 18.2	−11.1	59.3	6 6.2	2.17	—	—	12 38	1.2
3	11 43 54	140	+ 0 44.0	−11.6	59.3	6 58.1	2.16	0 36	3.1	13 8	1.2
4	12 39 48	140	− 3 53.1	−11.4	59.3	7 50.0	2.17	1 51	3.1	13 38	1.3
5	13 36 13	142	− 8 15.9	−10.4	59.1	8 42.3	2.20	3 6	3.1	14 9	1.4
6	14 33 30	144	−12 7.7	− 8.8	58.8	9 35.5	2.24	4 20	3.0	14 43	1.5
7	15 31 44	147	−15 13.1	− 6.6	58.4	10 29.6	2.28	5 32	2.9	15 21	1.7
8	16 30 34	147	−17 19.9	− 3.9	57.9	11 24.3	2.28	6 40	2.7	16 5	1.9
9	17 29 16	146	−18 21.2	− 1.2	57.3	12 19.0	2.26	7 42	2.4	16 55	2.2
10	18 26 56	142	−18 16.0	+ 1.5	56.7	13 12.5	2.20	8 37	2.1	17 50	2.4
11	19 22 46	137	−17 9.3	+ 3.9	56.0	14 4.3	2.11	9 24	1.8	18 49	2.5
12	20 16 18	131	−15 10.2	+ 5.9	55.4	14 53.7	2.01	10 3	1.5	19 50	2.6
13	21 7 26	125	−12 29.5	+ 7.4	54.9	15 40.8	1.91	10 36	1.3	20 52	2.6

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juni 13.5	20 59 59	47 51	−12 55.6	3 1.7	54 58.2	23.3	15 0.3	6.4	313.693	+3.958
14.5	21 47 50	46 18	9 53.9	3 23.6	54 34.9	14.6	14 53.9	3.9	325.800	+3.212
15.5	22 34 8	45 21	6 30.3	3 37.4	54 20.3	4.7	14 50.0	1.3	337.729	+2.335
16.5	23 19 29	45 2	− 2 52.9	3 44.1	54 15.6	5.4	14 48.7	1.4	349.559	+1.363
17.5	0 4 31	45 27	+ 0 51.2	3 43.6	54 21.0	15.6	14 50.1	4.3	1.377	+0.333
18.5	0 49 58	46 32	4 34.8	3 35.6	54 36.6	25.1	14 54.4	6.8	13.274	−0.718
19.5	1 36 30	48 16	+ 8 10.4	3 19.1	55 1.7	33.1	15 1.2	9.0	25.338	−1.750
20.5	2 24 46	50 31	11 29.5	2 52.5	55 34.8	39.1	15 10.2	10.7	37.650	−2.721
21.5	3 15 17	53 2	14 22.0	2 14.6	56 13.9	42.4	15 20.9	11.6	50.277	−3.582
22.5	4 8 19	55 31	16 36.6	1 25.0	56 56.3	42.7	15 32.5	11.6	63.259	−4.282
23.5	5 3 50	57 29	18 1.6	0 25.2	57 39.0	39.5	15 44.1	10.8	76.612	−4.770
24.5	6 1 19	58 38	18 26.8	0 40.7	58 18.5	33.4	15 54.9	9.1	90.314	−4.999
25.5	6 59 57	58 47	+17 46.1	1 47.0	58 51.9	25.0	16 4.0	6.8	104.311	−4.936
26.5	7 58 44	58 3	15 59.1	2 47.1	59 16.9	15.4	16 10.8	4.2	118.526	−4.570
27.5	8 56 47	56 49	13 12.0	3 35.6	59 32.3	5.7	16 15.0	1.5	132.865	−3.913
28.5	9 53 36	55 30	9 36.4	4 9.0	59 38.0	2.9	16 16.5	0.8	147.240	−3.006
29.5	10 49 6	54 26	5 27.4	4 26.2	59 35.1	10.2	16 15.7	2.7	161.575	−1.911
30.5	11 43 32	53 52	+ 1 1.2	4 27.5	59 24.9	15.8	16 13.0	4.3	175.819	−0.700
Juli 1.5	12 37 24	53 48	− 3 26.3	4 13.7	59 9.1	19.8	16 8.7	5.4	189.942	+0.544
2.5	13 31 12	54 11	7 40.0	3 45.9	58 49.3	23.0	16 3.3	6.3	203.929	+1.743
3.5	14 25 23	54 49	11 25.9	3 5.8	58 26.3	25.5	15 57.0	7.0	217.774	+2.826
4.5	15 20 12	55 23	14 31.7	2 15.8	58 0.8	27.6	15 50.0	7.5	231.470	+3.734
5.5	16 15 35	55 35	16 47.5	1 18.8	57 33.2	29.2	15 42.5	8.0	245.006	+4.418
6.5	17 11 10	55 13	18 6.3	0 19.0	57 4.0	30.5	15 34.5	8.2	258.364	+4.850
7.5	18 6 23	54 10	−18 25.3	0 39.1	56 33.5	30.7	15 26.3	8.4	271.521	+5.016
8.5	19 0 33	52 33	17 46.2	1 31.8	56 2.8	29.9	15 17.9	8.2	284.454	+4.920
9.5	19 53 6	50 39	16 14.4	2 16.2	55 32.9	27.5	15 9.7	7.5	297.148	+4.580
10.5	20 43 45	48 43	13 58.2	2 51.1	55 5.4	23.5	15 2.2	6.4	309.600	+4.025
11.5	21 32 28	47 1	11 7.1	3 16.6	54 41.9	17.9	14 55.8	4.8	321.826	+3.292
12.5	22 19 29	45 46	7 50.5	3 33.3	54 24.0	10.5	14 51.0	2.9	333.856	+2.420
13.5	23 5 15	45 5	− 4 17.2	3 41.9	54 13.5	2.1	14 48.1	0.6	345.742	+1.450
14.5	23 50 20	45 1	− 0 35.3	3 43.2	54 11.4	7.5	14 47.5	2.1	357.548	+0.422
15.5	0 35 21	45 39	+ 3 7.9	3 37.3	54 18.9	17.5	14 49.6	4.7	9.352	−0.626
16.5	1 21 0	46 57	6 45.2	3 23.8	54 36.4	27.5	14 54.3	7.5	21.241	−1.656
17.5	2 7 57	48 52	10 9.0	3 1.6	55 3.9	36.7	15 1.8	10.0	33.304	−2.626
18.5	2 56 49	51 16	13 10.6	2 29.6	55 40.6	44.3	15 11.8	12.1	45.630	−3.496
19.5	3 48 5	53 55	+15 40.2	1 46.5	56 24.9	49.5	15 23.9	13.5	58.297	−4.220
20.5	4 42 0	56 26	17 26.7	0 52.3	57 14.4	51.1	15 37.4	13.9	71.364	−4.748
21.5	5 38 26	58 25	18 19.0	0 11.1	58 5.5	48.6	15 51.3	13.3	84.862	−5.033
22.5	6 36 51	59 29	18 7.9	1 19.2	58 54.1	41.7	16 4.6	11.3	98.784	−5.035
23.5	7 36 20	59 35	16 48.7	2 25.4	59 35.8	30.6	16 15.9	8.4	113.078	−4.726
24.5	8 35 55		14 23.3		60 6.4		16 24.3		127.653	−4.108

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juni 13	21 7 26	125	−12 29.5	+ 7.4	54.9	15 40.8	1.91	10 36	1.3	20 52	2.6
14	21 56 28	120	− 9 17.7	+ 8.5	54.5	16 25.8	1.84	11 5	1.2	21 53	2.6
15	22 43 56	117	− 5 44.5	+ 9.2	54.3	17 9.2	1.79	11 32	1.1	22 55	2.6
16	23 30 29	116	− 1 58.5	+ 9.6	54.3	17 51.7	1.76	11 56	1.0	23 56	2.6
17	0 16 53	117	+ 1 52.7	+ 9.6	54.4	18 34.0	1.77	12 20	1.0	—	—
18	1 3 57	119	+ 5 41.5	+ 9.4	54.7	19 17.0	1.82	12 44	1.0	0 58	2.6
19	1 52 25	124	+ 9 19.3	+ 8.7	55.2	20 1.4	1.89	13 9	1.1	2 0	2.6
20	2 43 0	130	+12 36.4	+ 7.6	55.8	20 47.9	1.99	13 38	1.3	3 4	2.7
21	3 36 14	137	+15 21.1	+ 6.0	56.5	21 37.1	2.10	14 11	1.5	4 8	2.7
22	4 32 17	144	+17 20.5	+ 3.8	57.3	22 29.1	2.22	14 49	1.8	5 12	2.6
23	5 30 55	149	+18 21.5	+ 1.2	58.0	23 23.6	2.32	15 35	2.1	6 15	2.5
24	—	—	—	—	—	—	—	16 30	2.4	7 14	2.3
25	6 31 22	152	+18 14.3	− 1.8	58.6	0 19.9	2.37	17 32	2.7	8 8	2.1
26	7 32 32	153	+16 54.8	− 4.8	59.1	1 17.0	2.37	18 41	3.0	8 55	1.8
27	8 33 16	151	+14 26.6	− 7.5	59.5	2 13.6	2.34	19 55	3.1	9 36	1.6
28	9 32 49	147	+11 0.7	− 9.6	59.6	3 9.1	2.28	21 10	3.1	10 12	1.4
29	10 30 51	143	+ 6 52.6	−11.0	59.6	4 3.1	2.22	22 26	3.1	10 44	1.3
30	11 27 35	141	+ 2 20.5	−11.6	59.5	4 55.7	2.17	23 41	3.1	11 14	1.2
Juli 1	12 23 30	139	− 2 17.9	−11.5	59.2	5 47.5	2.15	—	—	11 43	1.2
2	13 19 11	139	− 6 45.4	−10.7	58.9	6 39.1	2.15	0 56	3.1	12 13	1.3
3	14 15 13	141	−10 46.4	− 9.3	58.5	7 31.1	2.18	2 9	3.0	12 45	1.4
4	15 11 55	143	−14 6.8	− 7.3	58.1	8 23.7	2.21	3 20	2.9	13 21	1.6
5	16 9 17	144	−16 34.9	− 4.9	57.6	9 17.0	2.23	4 28	2.7	14 1	1.8
6	17 6 57	144	−18 2.4	− 2.3	57.1	10 10.5	2.23	5 31	2.5	14 47	2.0
7	18 4 15	142	−18 25.7	+ 0.4	56.6	11 3.8	2.20	6 28	2.2	15 39	2.3
8	19 0 24	138	−17 46.4	+ 2.9	56.0	11 55.8	2.13	7 18	1.9	16 36	2.5
9	19 54 46	133	−16 10.7	+ 5.0	55.5	12 46.1	2.06	8 0	1.6	17 36	2.5
10	20 47 0	128	−13 48.0	+ 6.8	55.1	13 34.3	1.96	8 36	1.4	18 38	2.6
11	21 37 7	123	−10 48.9	+ 8.1	54.7	14 20.3	1.88	9 7	1.2	19 40	2.6
12	22 25 25	119	− 7 23.9	+ 8.9	54.4	15 4.5	1.81	9 35	1.1	20 42	2.6
13	23 12 24	116	− 3 42.5	+ 9.4	54.2	15 47.5	1.78	10 0	1.0	21 44	2.6
14	23 58 45	116	+ 0 6.6	+ 9.6	54.2	16 29.8	1.76	10 24	1.0	22 45	2.5
15	0 45 10	117	+ 3 55.7	+ 9.4	54.4	17 12.1	1.78	10 48	1.0	23 45	2.6
16	1 32 27	120	+ 7 37.0	+ 8.9	54.7	17 55.3	1.83	11 12	1.1	—	—
17	2 21 19	125	+11 2.0	+ 8.1	55.2	18 40.1	1.91	11 39	1.2	0 48	2.6
18	3 12 28	131	+14 1.0	+ 6.8	55.9	19 27.2	2.02	12 9	1.4	1 51	2.6
19	4 6 24	139	+16 22.4	+ 4.9	56.7	20 17.1	2.14	12 44	1.6	2 54	2.6
20	5 3 16	146	+17 53.7	+ 2.6	57.6	21 9.9	2.26	13 26	1.9	3 57	2.6
21	6 2 47	152	+18 22.5	− 0.2	58.4	22 5.3	2.35	14 16	2.3	4 58	2.5
22	7 4 9	155	+17 39.9	− 3.3	59.2	23 2.5	2.41	15 14	2.6	5 55	2.3
23	—	—	—	—	—	—	—	16 21	2.9	6 46	2.0
24	8 6 12	155	+15 43.8	− 6.3	59.9	0 0.5	2.41	17 34	3.1	7 31	1.8

Mond 1922

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juli	24.5	8 35 55	58 50	+14 23.3	3 22.3	60 6.4	16.9	16 24.3	4.6	127.653	−4.108
	25.5	9 34 45	57 37	+11 1.0	4 4.5	60 23.3	2.1	16 28.9	0.5	142.389	−3.209
	26.5	10 32 22	56 21	+ 6 56.5	4 28.7	60 25.4	11.6	16 29.4	3.1	157.159	−2.092
	27.5	11 28 43	55 21	+ 2 27.8	4 34.2	60 13.8	22.9	16 26.3	6.2	171.845	−0.840
	28.5	12 24 4	54 45	− 2 6.4	4 22.5	59 50.9	30.8	16 20.1	8.4	186.356	+0.455
	29.5	13 18 49	54 34	− 6 28.9	3 55.9	59 20.1	35.4	16 11.7	9.7	200.634	+1.703
	30.5	14 13 23	54 41	−10 24.8	3 16.8	58 44.7	37.1	16 2.0	10.1	214.653	+2.825
	31.5	15 8 4	54 52	−13 41.6	2 28.4	58 7.6	36.9	15 51.9	10.1	228.406	+3.762
Aug.	1.5	16 2 56	54 54	−16 10.0	1 33.5	57 30.7	35.2	15 41.8	9.5	241.903	+4.471
	2.5	16 57 50	54 34	−17 43.5	0 35.7	56 55.5	32.9	15 32.3	9.0	255.159	+4.925
	3.5	17 52 24	53 42	−18 19.2	0 21.3	56 22.6	30.3	15 23.3	8.3	268.187	+5.114
	4.5	18 46 6	52 25	−17 57.9	1 14.4	55 52.3	27.5	15 15.0	7.5	281.001	+5.043
	5.5	19 38 31	50 48	−16 43.5	2 0.8	55 24.8	24.5	15 7.5	6.6	293.608	+4.726
	6.5	20 29 19	49 4	−14 42.7	2 38.7	55 0.3	21.1	15 0.9	5.8	306.019	+4.189
	7.5	21 18 23	47 28	−12 4.0	3 7.6	54 39.2	17.0	14 55.1	4.6	318.246	+3.464
	8.5	22 5 51	46 9	− 8 56.4	3 27.3	54 22.2	12.1	14 50.5	3.3	330.308	+2.591
	9.5	22 52 0	45 18	− 5 29.1	3 38.8	54 10.1	6.1	14 47.2	1.7	342.234	+1.611
	10.5	23 37 18	44 57	− 1 50.3	3 42.0	54 4.0	1.0	14 45.5	0.3	354.061	+0.567
	11.5	0 22 15	45 11	+ 1 51.7	3 37.9	54 5.0	9.1	14 45.8	2.5	5.842	−0.500
	12.5	1 7 26	46 1	+ 5 29.6	3 26.2	54 14.1	18.1	14 48.3	4.9	17.639	−1.549
	13.5	1 53 27	47 27	+ 8 55.8	3 6.8	54 32.2	27.5	14 53.2	7.5	29.524	−2.540
	14.5	2 40 54	49 23	+12 2.6	2 38.7	54 59.7	37.0	15 0.7	10.0	41.577	−3.433
	15.5	3 30 17	51 44	+14 41.3	2 1.2	55 36.7	45.4	15 10.7	12.5	53.880	−4.188
	16.5	4 22 1	54 12	+16 42.5	1 13.7	56 22.1	52.3	15 23.2	14.2	66.515	−4.763
	17.5	5 16 13	56 30	+17 56.2	0 16.7	57 14.4	56.1	15 37.4	15.3	79.550	−5.113
	18.5	6 12 43	58 18	+18 12.9	0 47.7	58 10.5	55.8	15 52.7	15.2	93.034	−5.199
	19.5	7 11 1	59 18	+17 25.2	1 54.5	59 6.3	50.3	16 7.9	13.7	106.980	−4.986
	20.5	8 10 19	59 31	+15 30.7	2 57.5	59 56.6	39.5	16 21.6	10.8	121.362	−4.458
	21.5	9 9 50	59 3	+12 33.2	3 49.7	60 36.1	24.2	16 32.4	6.6	136.104	−3.625
	22.5	10 8 53	58 15	+ 8 43.5	4 25.1	61 0.3	6.0	16 39.0	1.6	151.088	−2.530
	23.5	11 7 8	57 25	+ 4 18.4	4 40.6	61 6.3	12.3	16 40.6	3.4	166.167	−1.251
	24.5	12 4 33	56 46	− 0 22.2	4 35.7	60 54.0	28.2	16 37.2	7.6	181.192	+0.113
	25.5	13 1 19	56 20	− 4 57.9	4 12.3	60 25.8	40.0	16 29.6	11.0	196.030	+1.455
	26.5	13 57 39	56 5	− 9 10.2	3 33.9	59 45.8	46.9	16 18.6	12.7	210.579	+2.676
	27.5	14 53 44	55 52	−12 44.1	2 44.6	58 58.9	49.3	16 5.9	13.4	224.782	+3.703
	28.5	15 49 36	55 30	−15 28.7	1 48.8	58 9.6	48.0	15 52.5	13.1	238.614	+4.486
	29.5	16 45 6	54 50	−17 17.5	0 50.3	57 21.6	44.2	15 39.4	12.1	252.082	+4.998
	30.5	17 39 56	53 46	−18 7.8	0 7.1	56 37.4	39.2	15 27.3	10.7	265.213	+5.234
	31.5	18 33 42	52 23	−18 0.7	1 0.5	55 58.2	33.3	15 16.6	9.1	278.043	+5.200
Sept.	1.5	19 26 5	50 45	−17 0.2	1 47.6	55 24.9	27.6	15 7.5	7.5	290.614	+4.916
	2.5	20 16 50	49 7	−15 12.6	2 27.1	54 57.3	22.0	15 0.0	6.0	302.966	+4.407
	3.5	21 5 57		−12 45.5		54 35.3		14 54.0		315.138	+3.703

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1ʰ westl. Länge	Dekl.	Änderung für 1ʰ westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1ʰ westl. Länge	0ʰ Länge, + 50° Breite: Aufgang	Änderung für 1ʰ westl. Länge	Untergang	Änderung für 1ʰ westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juli 24	8 6 12	155	+15 43.8	− 6.3	59.9	0 0.5	2.41	17 34	3.1	7 31	1.8
25	9 7 50	153	+12 40.2	− 8.9	60.3	0 58.0	2.38	18 51	3.2	8 11	1.6
26	10 8 17	149	+ 8 43.3	−10.7	60.4	1 54.4	2.32	20 9	3.3	8 46	1.4
27	11 7 18	146	+ 4 12.2	−11.7	60.3	2 49.3	2.26	21 27	3.2	9 17	1.3
28	12 5 3	143	− 0 32.2	−11.8	60.0	3 43.0	2.22	22 44	3.2	9 47	1.3
29	13 1 58	142	− 5 10.1	−11.2	59.5	4 35.8	2.19	23 59	3.1	10 17	1.3
30	13 58 32	141	− 9 24.0	− 9.9	58.9	5 28.3	2.18	—	—	10 49	1.4
31	14 55 10	142	−12 59.3	− 8.0	58.3	6 20.8	2.20	1 11	3.0	11 24	1.5
Aug. 1	15 52 1	142	−15 44.7	− 5.7	57.6	7 13.6	2.20	2 20	2.8	12 2	1.7
2	16 48 57	142	−17 32.2	− 3.2	57.0	8 6.4	2.20	3 24	2.6	12 46	1.9
3	17 45 34	141	−18 17.9	− 0.6	56.4	8 59.0	2.17	4 23	2.3	13 35	2.1
4	18 41 20	138	−18 2.0	+ 1.9	55.9	9 50.6	2.13	5 14	2.0	14 29	2.3
5	19 35 41	134	−16 48.8	+ 4.1	55.4	10 40.9	2.06	5 58	1.7	15 27	2.5
6	20 28 15	129	−14 45.7	+ 6.0	55.0	11 29.4	1.98	6 36	1.5	16 28	2.5
7	21 18 55	124	−12 2.1	+ 7.5	54.6	12 16.0	1.90	7 9	1.3	17 29	2.6
8	22 7 49	120	− 8 48.0	+ 8.6	54.4	13 0.8	1.84	7 38	1.1	18 31	2.6
9	22 55 18	117	− 5 13.5	+ 9.2	54.2	13 44.3	1.79	8 4	1.0	19 33	2.6
10	23 41 53	116	− 1 27.7	+ 9.5	54.1	14 26.8	1.76	8 29	1.0	20 34	2.5
11	0 28 9	116	+ 2 20.7	+ 9.5	54.1	15 9.0	1.76	8 52	1.0	21 35	2.5
12	1 14 45	118	+ 6 3.7	+ 9.1	54.3	15 51.5	1.79	9 16	1.0	22 36	2.6
13	2 2 23	121	+ 9 33.2	+ 8.3	54.6	16 35.1	1.85	9 42	1.1	23 38	2.6
14	2 51 42	126	+12 40.6	+ 7.2	55.1	17 20.4	1.93	10 10	1.2	—	—
15	3 43 16	132	+15 16.2	+ 5.7	55.8	18 7.9	2.03	10 42	1.4	0 40	2.6
16	4 37 30	139	+17 9.2	+ 3.7	56.6	18 58.0	2.15	11 20	1.7	1 42	2.5
17	5 34 28	146	+18 8.4	+ 1.2	57.5	19 50.9	2.26	12 4	2.0	2 42	2.5
18	6 33 51	151	+18 3.2	− 1.7	58.5	20 46.2	2.34	12 57	2.4	3 40	2.3
19	7 34 58	154	+16 46.8	− 4.7	59.5	21 43.2	2.40	13 59	2.7	4 33	2.1
20	8 36 50	155	+14 18.9	− 7.6	60.3	22 40.9	2.41	15 9	3.0	5 21	1.9
21	9 38 34	154	+10 47.3	−10.0	60.8	23 38.6	2.39	16 24	3.2	6 3	1.7
22	—	—	—	—	—	—	—	17 43	3.3	6 41	1.5
23	10 39 33	151	+ 6 27.6	−11.5	61.1	0 35.5	2.36	19 3	3.3	7 15	1.4
24	11 39 35	149	+ 1 40.8	−12.2	61.0	1 31.4	2.31	20 23	3.3	7 47	1.3
25	12 38 46	147	− 3 9.9	−11.9	60.6	2 26.5	2.28	21 42	3.2	8 18	1.3
26	13 37 23	146	− 7 43.0	−10.7	60.0	3 21.0	2.26	22 58	3.1	8 50	1.4
27	14 35 39	145	−11 40.0	− 8.9	59.2	4 15.2	2.25	—	—	9 25	1.5
28	15 33 42	145	−14 47.2	− 6.6	58.4	5 9.2	2.24	0 9	2.9	10 3	1.7
29	16 31 23	144	−16 55.9	− 4.1	57.6	6 2.8	2.22	1 16	2.7	10 45	1.9
30	17 28 25	141	−18 2.0	− 1.4	56.8	6 55.7	2.19	2 17	2.4	11 33	2.1
31	18 24 22	138	−18 5.9	+ 1.1	56.1	7 47.6	2.13	3 11	2.1	12 25	2.3
Sept. 1	19 18 49	134	−17 11.7	+ 3.4	55.5	8 37.9	2.06	3 57	1.8	13 22	2.4
2	20 11 31	129	−15 26.1	+ 5.4	55.0	9 26.6	1.99	4 37	1.5	14 21	2.5
3	21 2 22	125	−12 57.6	+ 7.0	54.6	10 13.3	1.91	5 11	1.3	15 22	2.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Sept. 3.5	21 5 57	47 35	−12 45.5	2 58.3	54 35.3	16.8	14 54.0	4.5	315.138	+3.703
4.5	21 53 32	46 20	− 9 47.2	3 20.8	54 18.5	11.8	14 49.5	3.3	327.164	+2.843
5.5	22 39 52	45 28	− 6 26.4	3 34.9	54 6.7	6.7	14 46.2	1.8	339.078	+1.864
6.5	23 25 20	45 2	− 2 51.5	3 40.9	54 0.0	1.5	14 44.4	0.4	350.914	+0.810
7.5	0 10 22	45 7	+ 0 49.4	3 38.8	53 58.5	4.4	14 44.0	1.2	2.707	−0.276
8.5	0 55 29	45 41	+ 4 28.2	3 28.9	54 2.9	10.8	14 45.2	2.9	14.498	−1.352
9.5	1 41 10	46 44	+ 7 57.1	3 11.2	54 13.7	18.0	14 48.1	5.0	26.333	−2.374
10.5	2 27 54	48 15	+11 8.3	2 45.2	54 31.7	25.9	14 53.1	7.0	38.265	−3.302
11.5	3 16 9	50 6	+13 53.5	2 10.8	54 57.6	34.2	15 0.1	9.3	50.355	−4.096
12.5	4 6 15	52 9	+16 4.3	1 27.7	55 31.8	42.3	15 9.4	11.6	62.668	−4.717
13.5	4 58 24	54 11	+17 32.0	0 36.4	56 14.1	49.5	15 21.0	13.5	75.272	−5.129
14.5	5 52 35	55 59	+18 8.4	0 22.0	57 3.6	54.8	15 34.5	14.9	88.231	−5.295
15.5	6 48 34	57 18	+17 46.4	1 24.7	57 58.4	56.7	15 49.4	15.4	101.601	−5.186
16.5	7 45 52	58 6	+16 21.7	2 27.1	58 55.1	54.3	16 4.8	14.8	115.412	−4.779
17.5	8 43 58	58 24	+13 54.6	3 23.9	59 49.4	46.3	16 19.6	12.6	129.668	−4.070
18.5	9 42 22	58 21	+10 30.7	4 9.0	60 35.7	32.7	16 32.2	9.0	144.327	−3.079
19.5	10 40 43	58 12	+ 6 21.7	4 36.8	61 8.4	14.7	16 41.2	4.0	159.303	−1.858
20.5	11 38 55	58 3	+ 1 44.9	4 44.3	61 23.1	5.5	16 45.2	1.5	174.468	−0.491
21.5	12 36 58	58 2	− 2 59.4	4 30.5	61 17.6	24.7	16 43.7	6.8	189.668	+0.914
22.5	13 35 0	58 1	− 7 29.9	3 57.3	60 52.9	40.5	16 36.9	11.0	204.744	+2.244
23.5	14 33 1	57 52	−11 27.2	3 8.9	60 12.4	51.1	16 25.9	13.9	219.556	+3.399
24.5	15 30 53	57 24	−14 36.1	2 11.2	59 21.3	56.0	16 12.0	15.3	233.999	+4.306
25.5	16 28 17	56 30	−16 47.3	1 9.2	58 25.3	55.8	15 56.7	15.2	248.015	+4.926
26.5	17 24 47	55 5	−17 56.5	0 8.5	57 29.5	51.9	15 41.5	14.1	261.590	+5.248
27.5	18 19 52	53 21	−18 5.0	0 47.6	56 37.6	45.6	15 27.4	12.5	274.742	+5.281
28.5	19 13 13	51 23	−17 17.4	1 36.7	55 52.0	37.9	15 14.9	10.3	287.518	+5.050
29.5	20 4 36	49 29	−15 40.7	2 17.7	55 14.1	29.7	15 4.6	8.1	299.977	+4.584
30.5	20 54 5	47 47	−13 23.0	2 50.4	54 44.4	21.8	14 56.5	5.9	312.183	+3.918
Okt. 1.5	21 41 52	46 26	−10 32.6	3 14.9	54 22.6	14.4	14 50.6	3.9	324.201	+3.089
2.5	22 28 18	45 31	− 7 17.7	3 31.3	54 8.2	7.8	14 46.7	2.2	336.092	+2.135
3.5	23 13 49	45 5	− 3 46.4	3 39.9	54 0.4	1.8	14 44.5	0.5	347.910	+1.094
4.5	23 58 54	45 7	− 0 6.5	3 40.4	53 58.6	3.5	14 44.0	1.0	359.703	+0.010
5.5	0 44 1	45 39	+ 3 33.9	3 33.0	54 2.1	8.6	14 45.0	2.3	11.512	−1.075
6.5	1 29 40	46 37	+ 7 6.9	3 17.1	54 10.7	13.5	14 47.3	3.7	23.373	−2.117
7.5	2 16 17	47 56	+10 24.0	2 52.9	54 24.2	18.8	14 51.0	5.1	35.322	−3.074
8.5	3 4 13	49 32	+13 16.9	2 20.0	54 43.0	24.3	14 56.1	6.6	47.392	−3.902
9.5	3 53 45	51 13	+15 36.9	1 38.8	55 7.3	30.2	15 2.7	8.3	59.620	−4.564
10.5	4 44 58	52 52	+17 15.7	0 50.1	55 37.5	36.4	15 11.0	9.9	72.045	−5.023
11.5	5 37 50	54 15	+18 5.8	0 4.7	56 13.9	42.2	15 20.9	11.5	84.710	−5.248
12.5	6 32 5	55 19	+18 1.1	1 3.2	56 56.1	47.1	15 32.4	12.8	97.659	−5.216
13.5	7 27 24	55 59	+16 57.9	2 2.3	57 43.2	50.0	15 45.2	13.7	110.934	−4.908
14.5	8 23 23		+14 55.6		58 33.2		15 58.9		124.572	−4.320

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Sept. 3	21 2 22	125	−12 57.6	+ 7.0	54.6	10 13.3	1.91	5 11	1.3	15 22	2.5
4	21 51 32	121	− 9 55.4	+ 8.2	54.3	10 58.4	1.85	5 41	1.2	16 23	2.5
5	22 39 18	118	− 6 29.0	+ 9.0	54.1	11 42.1	1.80	6 8	1.1	17 24	2.6
6	23 26 7	116	− 2 47.7	+ 9.4	54.0	12 24.9	1.77	6 33	1.0	18 26	2.6
7	0 12 28	116	+ 0 59.7	+ 9.5	54.0	13 7.2	1.76	6 57	1.0	19 27	2.5
8	0 58 56	117	+ 4 44.6	+ 9.2	54.1	13 49.6	1.78	7 21	1.0	20 28	2.5
9	1 46 3	119	+ 8 18.4	+ 8.6	54.3	14 32.7	1.82	7 46	1.1	21 29	2.5
10	2 34 24	123	+11 32.6	+ 7.6	54.6	15 16.9	1.88	8 13	1.2	22 30	2.5
11	3 24 28	128	+14 18.2	+ 6.2	55.0	16 2.9	1.96	8 43	1.3	23 31	2.5
12	4 16 37	133	+16 25.8	+ 4.4	55.7	16 51.0	2.05	9 18	1.5	—	—
13	5 11 4	139	+17 45.6	+ 2.2	56.4	17 41.4	2.15	9 58	1.8	0 31	2.4
14	6 7 44	144	+18 8.4	− 0.3	57.3	18 34.0	2.23	10 46	2.2	1 28	2.3
15	7 6 17	148	+17 26.8	− 3.1	58.3	19 28.4	2.30	11 42	2.5	2 21	2.1
16	8 6 9	151	+15 37.2	− 6.0	59.2	20 24.2	2.34	12 46	2.8	3 10	1.9
17	9 6 42	152	+12 41.4	− 8.6	60.1	21 20.6	2.36	13 57	3.1	3 54	1.7
18	10 7 24	152	+ 8 48.6	−10.7	60.9	22 17.3	2.35	15 14	3.3	4 33	1.6
19	11 7 58	151	+ 4 14.5	−12.0	61.3	23 13.7	2.35	16 33	3.3	5 9	1.4
20	—	—	—	—	—	—	—	17 54	3.4	5 42	1.3
21	12 8 21	151	− 0 39.7	−12.3	61.4	0 10.0	2.34	19 15	3.3	6 14	1.3
22	13 8 39	151	− 5 30.1	−11.7	61.1	1 6.2	2.34	20 34	3.2	6 47	1.4
23	14 8 56	151	− 9 53.8	−10.1	60.5	2 2.4	2.34	21 51	3.1	7 21	1.5
24	15 9 9	150	−13 31.5	− 7.9	59.7	2 58.5	2.33	23 3	2.9	7 59	1.7
25	16 9 0	149	−16 9.9	− 5.2	58.7	3 54.3	2.31	—	—	8 41	1.9
26	17 8 0	146	−17 42.3	− 2.5	57.8	4 49.2	2.26	0 8	2.6	9 28	2.1
27	18 5 36	142	−18 8.5	+ 0.2	56.8	5 42.7	2.20	1 6	2.2	10 20	2.2
28	19 1 19	137	−17 32.8	+ 2.7	56.0	6 34.3	2.10	1 55	1.9	11 16	2.4
29	19 54 54	131	−16 2.7	+ 4.8	55.3	7 23.8	2.02	2 37	1.6	12 14	2.5
30	20 46 21	126	−13 47.3	+ 6.5	54.8	8 11.2	1.93	3 13	1.4	13 15	2.5
Okt. 1	21 35 52	122	−10 55.8	+ 7.8	54.4	8 56.7	1.86	3 44	1.2	14 16	2.5
2	22 23 51	118	− 7 37.4	+ 8.7	54.2	9 40.6	1.80	4 12	1.1	15 17	2.5
3	23 10 47	116	− 4 0.9	+ 9.3	54.0	10 23.5	1.77	4 38	1.0	16 18	2.5
4	23 57 12	116	− 0 14.9	+ 9.5	54.0	11 5.8	1.76	5 2	1.0	17 19	2.6
5	0 43 39	117	+ 3 32.1	+ 9.4	54.0	11 48.2	1.77	5 26	1.0	18 21	2.6
6	1 30 40	119	+ 7 11.3	+ 8.8	54.2	12 31.2	1.81	5 50	1.1	19 22	2.5
7	2 18 45	122	+10 33.7	+ 8.0	54.4	13 15.2	1.86	6 17	1.2	20 23	2.5
8	3 8 18	126	+13 30.0	+ 6.7	54.7	14 0.7	1.93	6 46	1.3	21 24	2.5
9	3 59 38	131	+15 50.7	+ 5.0	55.2	14 47.9	2.01	7 19	1.5	22 24	2.5
10	4 52 50	135	+17 26.6	+ 2.9	55.7	15 37.1	2.08	7 57	1.7	23 22	2.3
11	5 47 50	140	+18 9.2	+ 0.6	56.4	16 28.0	2.15	8 41	2.0	—	—
12	6 44 19	143	+17 52.1	− 2.0	57.1	17 20.4	2.21	9 33	2.3	0 16	2.1
13	7 41 53	145	+16 31.7	− 4.7	57.9	18 13.8	2.24	10 32	2.6	1 5	1.9
14	8 40 6	146	+14 8.3	− 7.2	58.8	19 8.0	2.27	11 38	2.9	1 49	1.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Okt. 14.5	8 23 23	56 20	+14 55.6	2 57.8	58 33.2	49.9	15 58.9	13.6	124.572	−4.320
15.5	9 19 43	56 34	+11 57.8	3 45.5	59 23.1	45.3	16 12.5	12.3	138.591	−3.462
16.5	10 16 17	56 48	+ 8 12.3	4 21.1	60 8.4	35.9	16 24.8	9.8	152.984	−2.366
17.5	11 13 5	57 12	+ 3 51.2	4 40.0	60 44.3	21.5	16 34.6	5.9	167.709	−1.092
18.5	12 10 17	57 48	− 0 48.8	4 39.2	61 5.8	3.7	16 40.5	1.0	182.681	+0.277
19.5	13 8 5	58 30	− 5 28.0	4 17.8	61 9.5	15.4	16 41.5	4.2	197.780	+1.635
20.5	14 6 35	59 5	− 9 45.8	3 37.1	60 54.1	32.9	16 37.3	9.0	212.857	+2.876
21.5	15 5 40	59 14	−13 22.9	2 41.5	60 21.2	46.3	16 28.3	12.6	227.758	+3.903
22.5	16 4 54	58 42	−16 4.4	1 37.5	59 34.9	54.6	16 15.7	14.9	242.348	+4.652
23.5	17 3 36	57 26	−17 41.9	0 31.6	58 40.3	57.3	16 0.8	15.6	256.528	+5.092
24.5	18 1 2	55 30	−18 13.5	0 30.1	57 43.0	55.3	15 45.2	15.1	270.248	+5.221
25.5	18 56 32	53 11	−17 43.4	1 24.2	56 47.7	49.5	15 30.1	13.5	283.504	+5.064
26.5	19 49 43	50 48	−16 19.2	2 8.9	55 58.2	41.6	15 16.6	11.3	296.331	+4.654
27.5	20 40 31	48 39	−14 10.3	2 44.0	55 16.6	32.3	15 5.3	8.8	308.789	+4.034
28.5	21 29 10	46 55	−11 26.3	3 10.2	54 44.3	22.8	14 56.5	6.2	320.956	+3.244
29.5	22 16 5	45 42	− 8 16.1	3 28.4	54 21.5	13.4	14 50.3	3.7	332.915	+2.325
30.5	23 1 47	45 4	− 4 47.7	3 39.0	54 8.1	4.9	14 46.6	1.3	344.746	+1.316
● 31.5	23 46 51	45 1	− 1 8.7	3 42.1	54 3.2	2.6	14 45.3	0.7	356.527	+0.257
Nov. 1.5	0 31 52	45 31	+ 2 33.4	3 37.4	54 5.8	9.0	14 46.0	2.4	8.323	−0.812
2.5	1 17 23	46 31	+ 6 10.8	3 24.6	54 14.8	14.2	14 48.4	3.9	20.192	−1.850
3.5	2 3 54	47 55	+ 9 35.4	3 2.9	54 29.0	18.5	14 52.3	5.1	32.175	−2.813
4.5	2 51 49	49 34	+12 38.3	2 32.0	54 47.5	21.9	14 57.4	5.9	44.305	−3.660
5.5	3 41 23	51 16	+15 10.3	1 52.0	55 9.4	25.1	15 3.3	6.9	56.605	−4.347
6.5	4 32 39	52 49	+17 2.3	1 3.9	55 34.5	27.9	15 10.2	7.6	69.088	−4.836
7.5	5 25 28	54 1	+18 6.2	0 9.5	56 2.4	30.6	15 17.8	8.3	81.765	−5.098
8.5	6 19 29	54 45	+18 15.7	0 48.2	56 33.0	33.5	15 26.1	9.1	94.645	−5.107
9.5	7 14 14	55 0	+17 27.5	1 45.7	57 6.5	35.8	15 35.2	9.8	107.740	−4.852
10.5	8 9 14	54 56	+15 41.8	2 39.7	57 42.3	37.5	15 45.0	10.2	121.065	−4.333
11.5	9 4 10	54 45	+13 2.1	3 26.5	58 19.8	37.5	15 55.2	10.2	134.640	−3.563
12.5	9 58 55	54 43	+ 9 35.6	4 3.4	58 57.3	35.0	16 5.4	9.6	148.479	−2.572
13.5	10 53 38	55 1	+ 5 32.2	4 27.2	59 32.3	29.3	16 15.0	8.0	162.590	−1.408
14.5	11 48 39	55 42	+ 1 5.0	4 35.1	60 1.6	20.0	16 23.0	5.4	176.964	−0.135
15.5	12 44 21	56 45	− 3 30.1	4 25.3	60 21.6	7.3	16 28.4	2.0	191.561	+1.164
16.5	13 41 6	58 0	− 7 55.4	3 56.6	60 28.9	7.5	16 30.4	2.0	206.310	+2.396
17.5	14 39 6	59 4	−11 52.0	3 10.2	60 21.4	22.6	16 28.4	6.2	221.104	+3.467
18.5	15 38 10	59 33	−15 2.2	2 10.4	59 58.8	36.1	16 22.2	9.8	235.817	+4.300
19.5	16 37 43	59 9	−17 12.6	1 3.4	59 22.7	45.8	16 12.4	12.5	250.315	+4.841
20.5	17 36 52	57 45	−18 16.0	0 3.6	58 36.9	51.3	15 59.9	14.0	264.486	+5.069
21.5	18 34 37	55 35	−18 12.4	1 4.7	57 45.6	51.9	15 45.9	14.1	278.250	+4.993
22.5	19 30 12	53 0	−17 7.7	1 55.8	56 53.7	48.6	15 31.8	13.3	291.574	+4.644
23.5	20 23 12	50 25	−15 11.9	2 36.0	56 5.1	42.1	15 18.5	11.5	304.467	+4.066
24.5	21 13 37		−12 35.9		55 23.0		15 7.0		316.974	+3.307

Tag	Obere Kulmination in Greenwich							0h Länge, +50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Okt. 14	8 40 6	146	+14 8.3	− 7.2	58.8	19 8.0	2.27	11 38	2.9	1 49	1.7
15	9 38 39	147	+10 47.1	− 9.5	59.6	20 2.4	2.27	12 50	3.1	2 28	1.6
16	10 37 26	147	+ 6 38.2	−11.2	60.4	20 57.1	2.29	14 5	3.2	3 4	1.4
17	11 36 32	148	+ 1 57.3	−12.1	60.9	21 52.1	2.30	15 23	3.3	3 37	1.3
18	12 36 12	150	− 2 55.7	−12.1	61.2	22 47.7	2.33	16 43	3.4	4 9	1.3
19	13 36 36	152	− 7 38.0	−11.2	61.1	23 44.0	2.36	18 4	3.3	4 41	1.3
20	—	—	—	—	—	—	—	19 23	3.2	5 14	1.5
21	14 37 45	154	−11 46.7	− 9.4	60.6	0 41.1	2.39	20 39	3.1	5 51	1.6
22	15 39 21	154	−15 2.2	− 6.8	59.9	1 38.6	2.40	21 50	2.8	6 32	1.8
23	16 40 43	152	−17 11.6	− 3.9	59.0	2 35.8	2.37	22 54	2.5	7 18	2.0
24	17 40 58	149	−18 9.7	− 1.0	58.1	3 32.0	2.31	23 49	2.1	8 9	2.2
25	18 39 17	143	−17 59.1	+ 1.8	57.1	4 26.2	2.21	—	—	9 5	2.4
26	19 35 7	136	−16 47.6	+ 4.1	56.2	5 17.9	2.10	0 35	1.8	10 4	2.5
27	20 28 17	130	−14 45.5	+ 6.0	55.4	6 7.0	1.99	1 14	1.5	11 5	2.6
28	21 18 59	124	−12 3.7	+ 7.4	54.8	6 53.7	1.90	1 47	1.3	12 7	2.6
29	22 7 39	120	− 8 52.2	+ 8.5	54.4	7 38.3	1.82	2 16	1.1	13 8	2.5
30	22 54 54	117	− 5 20.2	+ 9.1	54.2	8 21.5	1.78	2 42	1.0	14 9	2.5
31	23 41 21	116	− 1 35.8	+ 9.5	54.1	9 3.8	1.76	3 6	1.0	15 10	2.6
Nov. 1	0 27 40	116	+ 2 12.8	+ 9.5	54.1	9 46.1	1.77	3 30	1.0	16 12	2.6
2	1 14 29	118	+ 5 57.3	+ 9.2	54.2	10 28.9	1.80	3 54	1.0	17 14	2.6
3	2 2 21	121	+ 9 29.0	+ 8.4	54.5	11 12.7	1.85	4 20	1.1	18 15	2.6
4	2 51 45	126	+12 38.1	+ 7.3	54.8	11 58.0	1.92	4 48	1.2	19 17	2.6
5	3 42 57	130	+15 14.5	+ 5.7	55.2	12 45.1	2.00	5 20	1.4	20 18	2.5
6	4 36 3	135	+17 8.0	+ 3.7	55.6	13 34.2	2.08	5 56	1.6	21 17	2.4
7	5 30 51	139	+18 9.7	+ 1.4	56.1	14 24.9	2.15	6 39	1.9	22 12	2.2
8	6 26 57	141	+18 12.5	− 1.2	56.6	15 16.9	2.18	7 28	2.2	23 3	2.0
9	7 23 46	142	+17 13.3	− 3.8	57.2	16 9.6	2.21	8 25	2.5	23 49	1.8
10	8 20 47	142	+15 12.5	− 6.3	57.8	17 2.5	2.20	9 28	2.7	—	—
11	9 17 42	142	+12 15.2	− 8.5	58.5	17 55.4	2.20	10 36	2.9	0 29	1.6
12	10 14 25	142	+ 8 29.8	−10.2	59.1	18 48.0	2.19	11 47	3.0	1 5	1.4
13	11 11 11	142	+ 4 8.6	−11.4	59.7	19 40.7	2.20	13 2	3.1	1 37	1.3
14	12 8 25	144	− 0 33.1	−11.9	60.2	20 33.8	2.23	14 18	3.2	2 8	1.3
15	13 6 35	147	− 5 17.0	−11.6	60.4	21 27.9	2.28	15 36	3.3	2 38	1.3
16	14 6 3	150	− 9 42.4	−10.4	60.5	22 23.3	2.34	16 54	3.3	3 9	1.3
17	15 6 53	154	−13 28.5	− 8.3	60.2	23 20.0	2.39	18 12	3.2	3 43	1.5
18	—	—	—	—	—	—	—	19 26	3.0	4 21	1.7
19	16 8 40	155	−16 17.1	− 5.6	59.7	0 17.7	2.41	20 35	2.7	5 4	1.9
20	17 10 30	154	−17 56.1	− 2.6	59.0	1 15.4	2.39	21 36	2.4	5 54	2.2
21	18 11 16	150	−18 21.7	+ 0.4	58.1	2 12.1	2.32	22 28	2.0	6 49	2.4
22	19 9 54	143	−17 38.2	+ 3.1	57.2	3 6.6	2.22	23 11	1.6	7 48	2.5
23	20 5 46	136	−15 55.7	+ 5.3	56.3	3 58.4	2.10	23 47	1.4	8 50	2.6
24	20 58 43	129	−13 26.4	+ 7.0	55.6	4 47.3	1.98	—	—	9 53	2.6

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1922	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Nov. 24.5	21 13 37		−12 35.9		55 23.0		15 7.0		316.974	+3.307
		48 9		3 5.6		33.3		9.0		
25.5	22 1 46		− 9 30.3		54 49.7		14 58.0		329.167	+2.413
		46 25		3 26.0		23.4		6.4		
26.5	22 48 11		− 6 4.3		54 26.3		14 51.6		341.131	+1.429
		45 20		3 38.3		13.1		3.6		
27.5	23 33 31		− 2 26.0		54 13.2		14 48.0		352.959	+0.394
		44 55		3 43.1		3.0		0.8		
28.5	0 18 26		+ 1 17.1		54 10.2		14 47.2		4.740	−0.652
		45 11		3 41.6		6.3		1.7		
29.5	1 3 37		+ 4 58.1		54 16.5		14 48.9		16.561	−1.672
		46 4		3 31.2		14.3		3.9		
30.5	1 49 41		+ 8 29.3		54 30.8		14 52.8		28.496	−2.625
		47 29		3 13.2		20.9		5.7		
Dez. 1.5	2 37 10		+11 42.5		54 51.7		14 58.5		40.605	−3.472
		49 18		2 45.8		25.7		7.0		
2.5	3 26 28		+14 28.3		55 17.4		15 5.5		52.929	−4.171
		51 17		2 8.8		28.7		7.8		
3.5	4 17 45		+16 37.1		55 46.1		15 13.3		65.492	−4.680
		53 11		1 22.0		30.0		8.2		
4.5	5 10 56		+17 59.1		56 16.1		15 21.5		78.297	−4.965
		54 40		0 27.5		29.9		8.2		
5.5	6 5 36		+18 26.6		56 46.0		15 29.7		91.333	−4.997
		55 32		0 31.8		28.9		7.8		
6.5	7 1 8		+17 54.8		57 14.9		15 37.5		104.577	−4.764
		55 43		1 31.7		27.2		7.5		
7.5	7 56 51		+16 23.1		57 42.1		15 45.0		118.002	−4.266
		55 19		2 27.4		25.3		6.8		
8.5	8 52 10		+13 55.7		58 7.4		15 51.8		131.584	−3.521
		54 39		3 15.4		23.3		6.4		
9.5	9 46 49		+10 40.3		58 30.7		15 58.2		145.308	−2.565
		54 1		3 52.7		21.0		5.7		
10.5	10 40 50		+ 6 47.6		58 51.7		16 3.9		159.166	−1.448
		53 40		4 17.4		18.1		5.0		
11.5	11 34 30		+ 2 30.2		59 9.8		16 8.9		173.156	−0.234
		53 49		4 28.1		14.2		3.8		
12.5	12 28 19		− 1 57.9		59 24.0		16 12.7		187.276	+1.006
		54 30		4 23.5		8.5		2.3		
13.5	13 22 49		− 6 21.4		59 32.5		16 15.0		201.512	+2.191
		55 39		4 3.0		1.2		0.4		
14.5	14 18 28		−10 24.4		59 33.7		16 15.4		215.832	+3.244
		56 59		3 26.5		7.7		2.1		
15.5	15 15 27		−13 50.9		59 26.0		16 13.3		230.180	+4.093
		58 9		2 35.5		17.5		4.8		
16.5	16 13 36		−16 26.4		59 8.5		16 8.5		244.477	+4.680
		58 43		1 33.9		27.1		7.4		
17.5	17 12 19		−18 0.3		58 41.4		16 1.1		258.628	+4.972
		58 22		0 27.4		35.2		9.6		
18.5	18 10 41		−18 27.7		58 6.2		15 51.5		272.542	+4.961
		57 0		0 37.5		40.8		11.1		
19.5	19 7 41		−17 50.2		57 25.4		15 40.4		286.142	+4.667
		54 54		1 35.2		43.2		11.8		
20.5	20 2 35		−16 15.0		56 42.2		15 28.6		299.380	+4.124
		52 21		2 22.2		42.1		11.4		
21.5	20 54 56		−13 52.8		56 0.1		15 17.2		312.246	+3.383
		49 53		2 57.6		37.9		10.4		
22.5	21 44 49		−10 55.2		55 22.2		15 6.8		324.759	+2.494
		47 43		3 22.0		31.1		8.5		
23.5	22 32 32		− 7 33.2		54 51.1		14 58.3		336.972	+1.508
		46 7		3 36.9		22.4		6.1		
24.5	23 18 39		− 3 56.3		54 28.7		14 52.2		348.957	+0.471
		45 12		3 43.7		12.3		3.3		
25.5	0 3 51		− 0 12.6		54 16.4		14 48.9		0.798	−0.576
		44 58		3 43.1		1.8		0.5		
26.5	0 48 49		+ 3 30.5		54 14.6		14 48.4		12.591	−1.593
		45 26		3 35.6		8.7		2.4		
27.5	1 34 15		+ 7 6.1		54 23.3		14 50.8		24.427	−2.546
		46 35		3 20.8		18.5		5.0		
28.5	2 20 50		+10 26.9		54 41.8		14 55.8		36.396	−3.396
		48 17		2 57.6		26.9		7.3		
29.5	3 9 7		+13 24.5		55 8.7		15 3.1		48.575	−4.106
		50 23		2 25.3		33.4		9.1		
30.5	3 59 30		+15 49.8		55 42.1		15 12.2		61.025	−4.637
		52 39		1 42.9		37.6		10.3		
31.5	4 52 9		+17 32.7		56 19.7		15 22.5		73.785	−4.952

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1922	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Nov. 24	20 58 43	129	−13 26.4	+ 7.0	55.6	4 47.3	1.98	—	—	9 53	2.6
25	21 49 2	123	−10 22.4	+ 8.2	55.0	5 33.5	1.88	0 18	1.2	10 56	2.6
26	22 37 16	119	− 6 54.6	+ 9.0	54.5	6 17.7	1.81	0 45	1.1	11 58	2.6
27	23 24 9	116	− 3 12.0	+ 9.5	54.3	7 0.5	1.77	1 10	1.0	12 59	2.5
28	0 10 25	116	+ 0 37.2	+ 9.6	54.2	7 42.7	1.75	1 34	1.0	14 0	2.6
29	0 56 50	117	+ 4 25.6	+ 9.4	54.2	8 25.1	1.78	1 58	1.0	15 2	2.6
30	1 44 8	120	+ 8 4.9	+ 8.8	54.5	9 8.3	1.83	2 23	1.1	16 4	2.6
Dez. 1	2 32 55	124	+11 26.4	+ 7.9	54.8	9 53.1	1.90	2 50	1.2	17 6	2.6
2	3 23 40	130	+14 20.0	+ 6.5	55.3	10 39.7	1.99	3 20	1.3	18 9	2.6
3	4 16 37	135	+16 34.7	+ 4.7	55.8	11 28.6	2.08	3 55	1.5	19 10	2.5
4	5 11 40	140	+17 59.9	+ 2.4	56.3	12 19.6	2.16	4 35	1.8	20 8	2.3
5	6 8 22	143	+18 26.4	− 0.2	56.8	13 12.2	2.22	5 23	2.1	21 1	2.1
6	7 6 0	145	+17 49.1	− 2.9	57.3	14 5.7	2.24	6 18	2.4	21 49	1.9
7	8 3 46	144	+16 7.7	− 5.5	57.8	14 59.4	2.23	7 20	2.7	22 32	1.7
8	9 1 3	142	+13 27.1	− 7.8	58.2	15 52.6	2.20	8 27	2.9	23 9	1.5
9	9 57 33	140	+ 9 56.8	− 9.6	58.6	16 45.0	2.17	9 37	3.0	23 42	1.3
10	10 53 23	139	+ 5 49.1	−10.9	58.9	17 36.8	2.14	10 50	3.1	—	—
11	11 48 58	139	+ 1 18.3	−11.5	59.2	18 28.3	2.15	12 4	3.1	0 12	1.2
12	12 44 52	141	− 3 19.6	−11.5	59.5	19 20.1	2.17	13 19	3.1	0 41	1.2
13	13 41 43	144	− 7 47.7	−10.7	59.6	20 12.9	2.22	14 34	3.1	1 11	1.3
14	14 39 57	148	−11 48.0	− 9.2	59.5	21 7.0	2.29	15 49	3.1	1 42	1.4
15	15 39 40	151	−15 2.9	− 7.0	59.3	22 2.6	2.35	17 4	3.0	2 16	1.5
16	16 40 28	153	−17 17.5	− 4.2	59.0	22 59.3	2.37	18 15	2.8	2 55	1.8
17	17 41 27	152	−18 22.3	− 1.2	58.4	23 56.2	2.36	19 19	2.5	3 41	2.0
18	—	—	—	—	—	—	—	20 16	2.2	4 33	2.3
19	18 41 28	148	−18 15.3	+ 1.7	57.7	0 52.1	2.29	21 5	1.9	5 30	2.5
20	19 39 28	142	−17 2.0	+ 4.3	57.0	1 46.0	2.19	21 46	1.5	6 32	2.6
21	20 34 47	135	−14 53.3	+ 6.3	56.3	2 37.3	2.07	22 19	1.2	7 35	2.7
22	21 27 16	128	−12 2.0	+ 7.8	55.6	3 25.7	1.96	22 48	1.1	8 39	2.7
23	22 17 13	122	− 8 41.0	+ 8.8	55.0	4 11.6	1.87	23 14	1.1	9 43	2.6
24	23 5 11	118	− 5 1.3	+ 9.4	54.6	4 55.5	1.80	23 39	1.0	10 45	2.6
25	23 51 55	116	− 1 12.2	+ 9.6	54.3	5 38.1	1.77	—	—	11 47	2.6
26	0 38 11	116	+ 2 38.3	+ 9.5	54.2	6 20.3	1.76	0 2	1.0	12 48	2.5
27	1 24 48	118	+ 6 22.6	+ 9.1	54.3	7 2.9	1.79	0 26	1.0	13 49	2.6
28	2 12 31	121	+ 9 53.0	+ 8.4	54.6	7 46.6	1.85	0 52	1.1	14 51	2.6
29	3 2 1	126	+13 0.6	+ 7.2	55.1	8 32.0	1.94	1 20	1.3	15 53	2.6
30	3 53 47	132	+15 35.5	+ 5.6	55.6	9 19.7	2.04	1 53	1.5	16 55	2.5
31	4 48 2	139	+17 26.5	+ 3.6	56.3	10 9.9	2.14	2 30	1.7	17 56	2.5

Mittlere Zeit Greenwich	Mondbewegung			Lage des Mondäquators gegen den Erdäquator							
	☊	$L_☾$	$M_☾$	i		Δ		☊′		Δ − ☋	
1922											
Jan. − 0.5	193°.7218	296°.2079	146°.81	24°.944	3	12°.934	500	0°.866	33	359°.211	30
+ 9.5	193.1923	67.9719	277.46	24.947	3	12.434	499	0.833	33	359.241	30
19.5	192.6627	199.7358	48.11	24.950	3	11.935	500	0.800	33	359.271	30
29.5	192.1332	331.4998	178.76	24.953	3	11.435	499	0.767	33	359.301	30
Febr. 8.5	191.6036	103.2638	309.41	24.956	2	10.936	500	0.734	33	359.331	30
18.5	191.0741	235.0278	80.06	24.958	3	10.436	499	0.701	34	359.361	30
28.5	190.5446	6.7917	210.71	24.961	2	9.937	499	0.667	33	359.391	31
März 10.5	190.0150	138.5557	341.36	24.963	3	9.438	500	0.634	33	359.422	30
20.5	189.4855	270.3197	112.01	24.966	2	8.938	499	0.601	33	359.452	30
30.5	188.9559	42.0836	242.66	24.968	2	8.439	499	0.568	34	359.482	31
April 9.5	188.4264	173.8476	13.31	24.970	2	7.940	500	0.534	33	359.513	30
19.5	187.8969	305.6116	143.96	24.972	2	7.440	499	0.501	34	359.543	31
29.5	187.3673	77.3756	274.61	24.974	2	6.941	499	0.467	33	359.574	30
Mai 9.5	186.8378	209.1395	45.26	24.976	1	6.442	499	0.434	34	359.604	31
19.5	186.3082	340.9035	175.91	24.977	1	5.943	499	0.400	33	359.635	30
29.5	185.7787	112.6675	306.56	24.978	2	5.444	498	0.367	34	359.665	31
Juni 8.5	185.2492	244.4314	77.21	24.980	1	4.946	499	0.333	33	359.696	31
18.5	184.7196	16.1954	207.86	24.981	1	4.447	499	0.300	34	359.727	30
28.5	184.1901	147.9594	338.51	24.982	1	3.948	499	0.266	33	359.757	31
Juli 8.5	183.6605	279.7233	109.16	24.983	1	3.449	499	0.233	34	359.788	30
18.5	183.1310	51.4873	239.81	24.984	0	2.950	499	0.199	34	359.818	31
28.5	182.6015	183.2513	10.46	24.984	1	2.451	499	0.165	33	359.849	31
Aug. 7.5	182.0719	315.0153	141.11	24.985	0	1.952	499	0.132	34	359.880	31
17.5	181.5424	86.7792	271.76	24.985	0	1.453	499	0.098	34	359.911	30
27.5	181.0128	218.5432	42.41	24.985	1	0.954	499	0.064	33	359.941	31
Sept. 6.5	180.4833	350.3072	173.06	24.986	0	0.455	499	0.031	34	359.972	31
16.5	179.9538	122.0711	303.71	24.986	0	359.956	499	359.997	34	0.003	30
26.5	179.4242	253.8351	74.36	24.986	1	359.457	499	359.963	33	0.033	31
Okt. 6.5	178.8947	25.5991	205.01	24.985	0	358.958	499	359.930	34	0.064	31
16.5	178.3651	157.3631	335.66	24.985	1	358.459	498	359.896	34	0.095	30
26.5	177.8356	289.1270	106.31	24.984	0	357.961	499	359.862	33	0.125	31
Nov. 5.5	177.3061	60.8910	236.96	24.984	1	357.462	499	359.829	34	0.156	31
15.5	176.7765	192.6550	7.61	24.983	1	356.963	499	359.795	34	0.187	31
25.5	176.2470	324.4189	138.26	24.982	1	356.464	499	359.761	33	0.218	30
Dez. 5.5	175.7174	96.1829	268.91	24.981	1	355.965	499	359.728	34	0.248	31
15.5	175.1879	227.9469	39.56	24.980	1	355.466	499	359.694	33	0.279	30
25.5	174.6584	359.7109	170.21	24.979	2	354.967	499	359.661	34	0.309	31
35.5	174.1288	131.4748	300.86	24.977		354.468		359.627		0.340	

Mittlere Zeit Greenwich	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
1922	s	s	s	"	"	"			
Jan. 5.5	− 1.25	+0.48		+ 39.9	+27.9		8.20444	+458	
6.5	− 0.77	+0.41	−0.07	+ 67.8	+26.3	−1.6	8.20902	+572	+114
7.5	− 0.36	+0.34	−0.07	+ 94.1	+23.5	−2.8	8.21474	+658	+ 86
8.5	− 0.02	+0.25	−0.09	+117.6	+19.6	−3.9	8.22132	+702	+ 44
9.5	+ 0.23	+0.09	−0.16	+137.2	+15.0	−4.6	8.22834	+692	− 10
10.5	+ 0.32	−0.16	−0.25	+152.2	+10.4	−4.6	8.23526	+622	− 70
11.5	+ 0.16	−0.52	−0.36	+162.6	+ 6.3	−4.1	8.24148	+494	−128
12.5	− 0.36	−0.93	−0.41	+168.9	+ 2.8	−3.5	8.24642	+313	−181
13.5	− 1.29	−1.32	−0.39	+171.7	− 0.3	−3.1	8.24955	+103	−210
14.5	− 2.61	−1.62	0.30	+171.4	− 4.0	−3.7	8.25058	−105	−208
15.5	− 4.23	−1.79	−0.17	+167.4	− 8.7	−4.7	8.24953	−288	−183
16.5	− 6.02	−1.83	−0.04	+158.7	−14.3	−5.6	8.24665	−430	−142
17.5	− 7.85	−1.75	+0.08	+144.4	−20.4	−6.1	8.24235	−519	− 89
18.5	− 9.60	−1.52	+0.23	+124.0	−26.2	−5.8	8.23716	−560	− 41
19.5	−11.12	−1.15	+0.37	+ 97.8	−30.5	−4.3	8.23156	−559	+ 1
20.5	−12.27	−0.65	+0.50	+ 67.3	−32.9	−2.4	8.22597	−530	+ 29
21.5	−12.92			+ 34.4			8.22067		
Febr. 3.5	− 0.58	+0.71		+ 89.6	+25.1		8.20793	+537	
4.5	+ 0.13	+0.73	+0.02	+114.7	+21.1	−4.0	8.21330	+636	+ 99
5.5	+ 0.86	+0.68	−0.05	+135.8	+15.8	−5.3	8.21966	+707	+ 71
6.5	+ 1.54	+0.47	−0.21	+151.6	+ 9.9	−5.9	8.22673	+734	+ 27
7.5	+ 2.01	+0.06	−0.41	+161.5	+ 4.5	−5.4	8.23407	+704	− 30
8.5	+ 2.07	−0.53	−0.59	+166.0	+ 0.3	−4.2	8.24111	+607	− 97
9.5	+ 1.54	−1.19	−0.66	+166.3	− 2.5	−2.8	8.24718	+445	−162
10.5	+ 0.35	−1.81	−0.62	+163.8	− 4.3	−1.8	8.25163	+232	−213
11.5	− 1.46	−2.25	−0.44	+159.5	− 6.5	−2.2	8.25395	− 11	−243
12.5	− 3.71	−2.46	−0.21	+153.0	−10.5	−4.0	8.25384	−246	−235
13.5	− 6.17	−2.46	0.00	+142.5	−15.9	−5.4	8.25138	−447	−201
14.5	− 8.63	−2.23	+0.23	+126.6	−22.4	−6.5	8.24691	−591	−144
15.5	−10.86	−1.78	+0.45	+104.2	−28.5	−6.1	8.24100	−672	− 81
16.5	−12.64	−1.17	+0.61	+ 75.7	−32.6	−4.1	8.23428	−692	− 20
17.5	−13.81	−0.44	+0.73	+ 43.1	−33.7	−1.1	8.22736	−663	+ 29
18.5	−14.25	+0.31	+0.75	+ 9.4	−31.6	+2.1	8.22073	−598	+ 65
19.5	−13.94			− 22.2			8.21475		
März 5.5	+ 1.08	+1.00		+147.8	+11.7		8.21838	+625	
6.5	+ 2.08	+0.77	−0.23	+159.5	+ 5.2	−6.5	8.22463	+671	+ 46
7.5	+ 2.85	+0.29	−0.48	+164.7	− 0.8	−6.0	8.23134	+674	+ 3
8.5	+ 3.14	−0.40	−0.69	+163.9	− 5.1	−4.3	8.23808	+622	− 52
9.5	+ 2.74	−1.18	−0.78	+158.8	− 7.4	−2.3	8.24430	+508	−114
10.5	+ 1.56	−1.91	−0.73	+151.4	− 8.4	−1.0	8.24938	+334	−174
11.5	− 0.35	−2.48	−0.57	+143.0	− 9.7	−1.3	8.25272	+115	−219
12.5	− 2.83	−2.79	−0.31	+133.3	−12.6	−2.9	8.25387	−125	−240
13.5	− 5.62		−0.02	+120.7		−4.9	8.25262		−229

Mittlere Zeit Greenwich	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1922	s	s	s	"	"	"			
März 13.5	− 5.62	−2.81	−0.02	+120.7	−17.5	−4.9	8.25262	−354	−229
14.5	− 8.43	−2.54	+0.27	+103.2	−23.6	−6.1	8.24908	−539	−185
15.5	−10.97	−1.99	+0.55	+ 79.6	−29.3	−5.7	8.24369	−666	−127
16.5	−12.96	−1.22	+0.77	+ 50.3	−32.7	−3.4	8.23703	−726	− 60
17.5	−14.18	−0.33	+0.89	+ 17.6	−32.6	+0.1	8.22977	−724	+ 2
18.5	−14.51	+0.50	+0.83	− 15.0	−28.8	+3.8	8.22253	−671	+ 53
19.5	−14.01	+1.16	+0.66	− 43.8	−21.5	+7.3	8.21582	−585	+ 86
20.5	−12.85	+1.56	+0.40	− 65.3	−12.6	+8.9	8.20997	−475	+110
21.5	−11.29			− 77.9			8.20522		
April 3.5	+ 1.84	+0.78		+162.6	+ 0.7		8.22435	+536	
4.5	+ 2.62	+0.32	−0.46	+163.3	− 4.9	−5.6	8.22971	+546	+ 10
5.5	+ 2.94	−0.35	−0.67	+158.4	− 9.0	−4.1	8.23517	+519	− 27
6.5	+ 2.59	−1.08	−0.73	+149.4	−11.0	−2.0	8.24036	+448	− 71
7.5	+ 1.51	−1.77	−0.69	+138.4	−12.0	−1.0	8.24484	+330	−118
8.5	− 0.26	−2.33	−0.56	+126.4	−13.0	−1.0	8.24814	+167	−163
9.5	− 2.59	−2.67	−0.34	+113.4	−15.4	−2.4	8.24981	− 30	−197
10.5	− 5.26	−2.73	−0.06	+ 98.0	−19.5	−4.1	8.24951	−234	−204
11.5	− 7.99	−2.49	+0.24	+ 78.5	−24.5	−5.0	8.24717	−420	−186
12.5	−10.48	−1.93	+0.56	+ 54.0	−29.0	−4.5	8.24297	−568	−148
13.5	−12.41	−1.13	+0.80	+ 25.0	−31.0	−2.0	8.23729	−660	− 92
14.5	−13.54	−0.22	+0.91	− 6.0	−29.4	+1.6	8.23069	−692	− 32
15.5	−13.76	+0.59	+0.81	− 35.4	−24.1	+5.3	8.22377	−668	+ 24
16.5	−13.17	+1.19	+0.60	− 59.5	−16.0	+8.1	8.21709	−599	+ 69
17.5	−11.98	+1.50	+0.31	− 75.5	− 6.6	+9.4	8.21110	−497	+102
18.5	−10.48	+1.54	+0.04	− 82.1	+ 2.7	+9.3	8.20613	−375	+122
19.5	− 8.94			− 79.4			8.20238		
Mai 3.5	+ 1.68	−0.49		+152.3	−11.3		8.23442	+341	
4.5	+ 1.19	−1.09	−0.60	+141.0	−13.4	−2.1	8.23783	+290	− 51
5.5	+ 0.10	−1.62	−0.53	+127.6	−14.8	−1.4	8.24073	+211	− 79
6.5	− 1.52	−2.04	−0.42	+112.8	−16.2	−1.4	8.24284	+104	−107
7.5	− 3.56	−2.29	−0.25	+ 96.6	−18.6	−2.4	8.24388	− 29	−133
8.5	− 5.85	−2.30	−0.01	+ 78.0	−22.0	−3.4	8.24359	−176	−147
9.5	− 8.15	−2.05	+0.25	+ 56.0	−25.5	−3.5	8.24183	−322	−146
10.5	−10.20	−1.52	+0.53	+ 30.5	−28.1	−2.6	8.23861	−451	−129
11.5	−11.72	−0.79	+0.73	+ 2.4	−28.0	+0.1	8.23410	−544	− 93
12.5	−12.51	+0.01	+0.80	− 25.6	−24.7	+3.3	8.22866	−593	− 49
13.5	−12.50	+0.68	+0.67	− 50.3	−18.2	+6.5	8.22273	−595	− 2
14.5	−11.82	+1.13	+0.45	− 68.5	− 9.7	+8.5	8.21678	−551	+ 44
15.5	−10.69	+1.34	+0.21	− 78.2	− 0.4	+9.3	8.21127	−469	+ 82
16.5	− 9.35	+1.34	0.00	− 78.6	+ 8.2	+8.6	8.20658	−358	+111
17.5	− 8.01	+1.20	−0.14	− 70.4	+15.7	+7.5	8.20300	−229	+129
18.5	− 6.81	+1.00	−0.20	− 54.7	+21.5	+5.8	8.20071	− 93	+136
19.5	− 5.81			− 33.2			8.19978		

Mittlere Zeit Greenwich		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1922		s	s	s	″	″	″			
Juni	2.5	− 2.26	−1.58		+119.2	−17.0		8.23880	+ 20	
	3.5	− 3.84	−1.80	−0.22	+102.2	−19.4	−2.4	8.23900	− 49	− 69
	4.5	− 5.64	−1.86	−0.06	+ 82.8	−22.0	−2.6	8.23851	−126	− 77
	5.5	− 7.50	−1.73	+0.13	+ 60.8	−24.6	−2.6	8.23725	−211	− 85
	6.5	− 9.23	−1.39	+0.34	+ 36.2	−26.6	−2.0	8.23514	−298	− 87
	7.5	−10.62	−0.87	+0.52	+ 9.6	−26.8	−0.2	8.23216	−377	− 79
	8.5	−11.49	−0.24	+0.63	− 17.2	−24.3	+2.5	8.22839	−442	− 65
	9.5	−11.73	+0.38	+0.62	− 41.5	−19.1	+5.2	8.22397	−481	− 39
	10.5	−11.35	+0.84	+0.46	− 60.6	−11.6	+7.5	8.21916	−487	− 6
	11.5	−10.51	+1.11	+0.27	− 72.2	− 3.0	+8.6	8.21429	−459	+ 28
	12.5	− 9.40	+1.18	+0.07	− 75.2	+ 5.7	+8.7	8.20970	−399	+ 60
	13.5	− 8.22	+1.12	+0.06	− 69.5	+13.4	+7.7	8.20571	−309	+ 90
	14.5	− 7.10	+0.99	−0.13	− 56.1	+19.8	+6.4	8.20262	−194	+115
	15.5	− 6.11	+0.85	−0.14	− 36.3	+24.5	+4.7	8.20068	− 63	+131
	16.5	− 5.26	+0.72	−0.13	− 11.8	+27.4	+2.9	8.20005	+ 74	+137
	17.5	− 4.54			+ 15.6			8.20079		
Juli	1.5	− 6.64	−1.67		+ 91.9	−22.4		8.23770	−245	
	2.5	− 8.31	−1.51	+0.16	+ 69.5	−25.3	−2.9	8.23525	−285	− 40
	3.5	− 9.82	−1.17	+0.34	+ 44.2	−27.1	−1.8	8.23240	−319	− 34
	4.5	−10.99	−0.70	+0.47	+ 17.1	−27.1	0.0	8.22921	−347	− 28
	5.5	−11.69	−0.15	+0.55	− 10.0	−24.9	+2.2	8.22574	−371	− 24
	6.5	−11.84	+0.38	+0.53	− 34.9	−20.0	+4.9	8.22203	−390	− 19
	7.5	−11.46	+0.79	+0.41	− 54.9	−13.1	+6.9	8.21813	−397	− 7
	8.5	−10.67	+1.05	+0.26	− 68.0	− 4.8	+8.3	8.21416	−389	+ 8
	9.5	− 9.62	+1.12	+0.07	− 72.8	+ 3.6	+8.4	8.21027	−361	+ 28
	10.5	− 8.50	+1.07	−0.05	− 69.2	+11.5	+7.9	8.20666	−310	+ 51
	11.5	− 7.43	+0.97	−0.10	− 57.7	+18.2	+6.7	8.20356	−237	+ 73
	12.5	− 6.46	+0.85	−0.12	− 39.5	+23.3	+5.1	8.20119	−141	+ 96
	13.5	− 5.61	+0.76	−0.09	− 16.2	+26.9	+3.6	8.19978	− 28	+113
	14.5	− 4.85	+0.72	−0.04	+ 10.7	+28.8	+1.9	8.19950	+100	+128
	15.5	− 4.13	+0.73	+0.01	+ 39.5	+29.1	+0.3	8.20050	+233	+133
	16.5	− 3.40	+0.78	+0.05	+ 68.6	+27.7	−1.4	8.20283	+364	+131
	17.5	− 2.62			+ 96.3			8.20647		
Juli	31.5	−12.21	−0.70		+ 25.9	−28.7		8.23005	−463	
Aug.	1.5	−12.91	−0.09	+0.61	− 2.8	−26.7	+2.0	8.22542	−448	+ 15
	2.5	−13.00	+0.47	+0.56	− 29.5	−22.1	+4.6	8.22094	−422	+ 26
	3.5	−12.53	+0.91	+0.44	− 51.6	−15.1	+7.0	8.21672	−392	+ 30
	4.5	−11.62	+1.15	+0.24	− 66.7	− 6.9	+8.2	8.21280	−359	+ 33
	5.5	−10.47	+1.22	+0.07	− 73.6	+ 1.7	+8.6	8.20921	−322	+ 37
	6.5	− 9.25	+1.14	−0.08	− 71.9	+ 9.8	+8.1	8.20599	−279	+ 43
	7.5	− 8.11	+1.01	−0.13	− 62.1	+16.7	+6.9	8.20320	−227	+ 52
	8.5	− 7.10		−0.14	− 45.4		+5.6	8.20093		+ 65

Mittlere Zeit Greenwich	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1922	s	s	s	"	"	"			
Aug. 8.5	− 7.10	+0.87	−0.14	− 45.4	+22.3	+5.6	8.20093	−162	+ 65
9.5	− 6.23	+0.77	−0.10	− 23.1	+26.2	+3.9	8.19931	− 81	+ 81
10.5	− 5.46	+0.73	−0.04	+ 3.1	+28.7	+2.5	8.19850	+ 14	+ 95
11.5	− 4.73	+0.77	+0.04	+ 31.8	+29.6	+0.9	8.19864	+122	+108
12.5	− 3.96	+0.88	+0.11	+ 61.4	+28.7	−0.9	8.19986	+241	+119
13.5	− 3.08	+1.02	+0.14	+ 90.1	+26.0	−2.7	8.20227	+365	+124
14.5	− 2.06	+1.16	+0.14	+116.1	+21.8	−4.2	8.20592	+484	+119
15.5	− 0.90			+137.9			8.21076		
Aug. 29.5	−14.41	+0.35		− 23.5	−24.8		8.22425	−564	
30.5	−14.06	+0.91	+0.56	− 48.3	−18.1	+6.7	8.21861	−505	+ 59
31.5	−13.15	+1.25	+0.34	− 66.4	− 9.8	+8.3	8.21356	−435	+ 70
Sept. 1.5	−11.90	+1.36	+0.11	− 76.2	− 0.8	+9.0	8.20921	−362	+ 73
2.5	−10.54	+1.29	−0.07	− 77.0	+ 7.7	+8.5	8.20559	−292	+ 70
3.5	− 9.25	+1.13	−0.16	− 69.3	+15.1	+7.4	8.20267	−224	+ 68
4.5	− 8.12	+0.95	−0.18	− 54.2	+21.0	+5.9	8.20043	−157	+ 67
5.5	− 7.17	+0.80	−0.15	− 33.2	+25.4	+4.4	8.19886	− 90	+ 67
6.5	− 6.37	+0.72	−0.08	− 7.8	+28.4	+3.0	8.19796	− 20	+ 70
7.5	− 5.65	+0.75	+0.03	+ 20.6	+29.8	+1.4	8.19776	+ 59	+ 79
8.5	− 4.90	+0.85	+0.10	+ 50.4	+29.5	−0.3	8.19835	+145	+ 86
9.5	− 4.05	+1.03	+0.18	+ 79.9	+27.4	−2.1	8.19980	+240	+ 95
10.5	− 3.02	+1.24	+0.21	+107.3	+23.7	−3.7	8.20220	+343	+103
11.5	− 1.78	+1.43	+0.19	+131.0	+18.2	−5.5	8.20563	+450	+107
12.5	− 0.35	+1.49	+0.06	+149.2	+11.1	−7.1	8.21013	+550	+100
13.5	+ 1.14	+1.33	−0.16	+160.3	+ 3.5	−7.6	8.21563	+635	+ 85
14.5	+ 2.47			+163.8			8.22198		
Sept. 28.5	−13.33	+1.34		− 77.1	− 4.2		8.21274	−494	
29.5	−11.99	+1.39	+0.05	− 81.3	+ 4.9	+9.1	8.20780	−392	+102
30.5	−10.60	+1.26	−0.13	− 76.4	+12.9	+8.0	8.20388	−290	+102
Okt. 1.5	− 9.34	+1.06	−0.20	− 63.5	+19.4	+6.5	8.20098	−193	+ 97
2.5	− 8.28	+0.87	−0.19	− 44.1	+24.4	+5.0	8.19905	−104	+ 89
3.5	− 7.41	+0.75	−0.12	− 19.7	+27.7	+3.3	8.19801	− 24	+ 80
4.5	− 6.66	+0.70	−0.05	+ 8.0	+29.5	+1.8	8.19777	+ 47	+ 71
5.5	− 5.96	+0.76	+0.06	+ 37.5	+29.8	+0.3	8.19824	+115	+ 68
6.5	− 5.20	+0.91	+0.15	+ 67.3	+28.4	−1.4	8.19939	+182	+ 67
7.5	− 4.29	+1.13	+0.22	+ 95.7	+25.2	−3.2	8.20121	+250	+ 68
8.5	− 3.16	+1.38	+0.25	+120.9	+20.3	−4.9	8.20371	+321	+ 71
9.5	− 1.78	+1.55	+0.17	+141.2	+13.8	−6.5	8.20692	+396	+ 75
10.5	− 0.23	+1.58	+0.03	+155.0	+ 6.1	−7.7	8.21088	+472	+ 76
11.5	+ 1.35	+1.37	−0.21	+161.1	− 1.7	−7.8	8.21560	+542	+ 70
12.5	+ 2.72	+0.91	−0.46	+159.4	− 8.7	−7.0	8.22102	+597	+ 55
13.5	+3.63			+150.7			8.22699		

Mittlere Zeit Greenwich		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1922										
Okt.	27.5	−11.67 s	+1.25 s		−79.8″	+10.1″		8.20812	−426	
	28.5	−10.42	+1.12	−0.13 s	−69.7	+17.2	+7.1″	8.20386	−302	+124
	29.5	−9.30	+0.96	−0.16	−52.5	+22.9	+5.7	8.20084	−179	+123
	30.5	−8.34	+0.80	−0.16	−29.6	+26.8	+3.9	8.19905	−65	+114
	31.5	−7.54	+0.71	−0.09	−2.8	+28.9	+2.1	8.19840	+35	+100
Nov.	1.5	−6.83	+0.71	0.00	+26.1	+29.6	+0.7	8.19875	+120	+85
	2.5	−6.12	+0.79	+0.08	+55.7	+28.8	−0.8	8.19995	+189	+69
	3.5	−5.33	+0.96	+0.17	+84.5	+26.2	−2.6	8.20184	+246	+57
	4.5	−4.37	+1.18	+0.22	+110.7	+21.9	−4.3	8.20430	+290	+44
	5.5	−3.19	+1.37	+0.19	+132.6	+15.9	−6.0	8.20720	+328	+38
	6.5	−1.82	+1.48	+0.11	+148.5	+8.8	−7.1	8.21048	+362	+34
	7.5	−0.34	+1.41	−0.07	+157.3	+1.0	−7.8	8.21410	+396	+34
	8.5	+1.07	+1.12	−0.29	+158.3	−6.3	−7.3	8.21806	+428	+32
	9.5	+2.19	+0.61	−0.51	+152.0	−12.3	−6.0	8.22234	+455	+27
	10.5	+2.80	−0.02	−0.63	+139.7	−16.1	−3.8	8.22689	+471	+16
	11.5	+2.78	−0.70	−0.68	+123.6	−17.8	−1.7	8.23160	+466	−5
	12.5	+2.08			+105.8			8.23626		
Nov.	26.5	−8.94	+0.83		−35.1	+25.4		8.20147	−174	
	27.5	−8.11	+0.76	−0.07	−9.7	+28.2	+2.8	8.19973	−39	+135
	28.5	−7.35	+0.73	−0.03	+18.5	+29.4	+1.2	8.19934	+84	+123
	29.5	−6.62	+0.78	+0.05	+47.9	+28.9	−0.5	8.20018	+190	+106
	30.5	−5.84	+0.88	+0.10	+76.8	+26.7	−2.2	8.20208	+278	+88
Dez.	1.5	−4.96	+1.04	+0.16	+103.5	+22.9	−3.8	8.20486	+338	+60
	2.5	−3.92	+1.19	+0.15	+126.4	+17.4	−5.5	8.20824	+375	+37
	3.5	−2.73	+1.27	+0.08	+143.8	+10.7	−6.7	8.21199	+390	+15
	4.5	−1.46	+1.21	−0.06	+154.5	+3.3	−7.4	8.21589	+385	−5
	5.5	−0.25	+0.98	−0.23	+157.8	−3.9	−7.2	8.21974	+368	−17
	6.5	+0.73	+0.57	−0.41	+153.9	−10.0	−6.1	8.22342	+344	−24
	7.5	+1.30	+0.06	−0.51	+143.9	−14.5	−4.5	8.22686	+319	−25
	8.5	+1.36	−0.49	−0.55	+129.4	−17.1	−2.6	8.23005	+291	−28
	9.5	+0.87	−0.99	−0.50	+112.3	−18.2	−1.1	8.23296	+261	−30
	10.5	−0.12	−1.40	−0.41	+94.1	−18.3	−0.1	8.23557	+223	−38
	11.5	−1.52			+75.8			8.23780		
Dez.	25.5	−7.58	+0.77		+14.6	+29.0		8.20015	−24	
	26.5	−6.81	+0.84	+0.07	+43.6	+29.0	0.0	8.19991	+117	+141
	27.5	−5.97	+0.95	+0.11	+72.6	+27.3	−1.7	8.20108	+247	+130
	28.5	−5.02	+1.08	+0.13	+99.9	+23.7	−3.6	8.20355	+355	+108
	29.5	−3.94	+1.21	+0.13	+123.6	+18.7	−5.0	8.20710	+437	+82
	30.5	−2.73	+1.23	+0.02	+142.3	+13.4	−5.3	8.21147	+488	+51
	31.5	−1.50			+155.7			8.21635		

Tag		0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922		h m s	m s	° ′ ″	′ ″			h m
Jan.	0	18 50 55.58	7 7.27	−24 49 50.0	6 11.0	0.15 5270	1420	0 13.5
	1	18 58 2.85	7 7.81	24 43 39.0	7 41.8	0.15 3850	1618	0 16.7
	2	19 5 10.66	7 8.17	24 35 57.2	9 13.6	0.15 2232	1820	0 19.9
	3	19 12 18.83	7 8.34	24 26 43.6	10 46.1	0.15 0412	2031	0 23.1
	4	19 19 27.17	7 8.33	24 15 57.5	12 19.3	0.14 8381	2250	0 26.3
	5	19 26 35.50	7 8.08	24 3 38.2	13 52.9	0.14 6131	2478	0 29.5
	6	19 33 43.58	7 7.62	−23 49 45.3	15 27.1	0.14 3653	2714	0 32.7
	7	19 40 51.20	7 6.88	23 34 18.2	17 1.5	0.14 0939	2963	0 35.9
	8	19 47 58.08	7 5.87	23 17 16.7	18 36.1	0.13 7976	3224	0 39.1
	9	19 55 3.95	7 4.55	22 58 40.6	20 10.4	0.13 4752	3496	0 42.2
	10	20 2 8.50	7 2.87	22 38 30.2	21 44.7	0.13 1256	3784	0 45.4
	11	20 9 11.37	7 0.82	22 16 45.5	23 18.1	0.12 7472	4088	0 48.5
	12	20 16 12.19	6 58.33	−21 53 27.4	24 50.7	0.12 3384	4407	0 51.6
	13	20 23 10.52	6 55.36	21 28 36.7	26 21.7	0.11 8977	4744	0 54.6
	14	20 30 5.88	6 51.83	21 2 15.0	27 51.1	0.11 4233	5101	0 57.6
	15	20 36 57.71	6 47.69	20 34 23.9	29 17.9	0.10 9132	5479	1 0.5
	16	20 43 45.40	6 42.82	20 5 6.0	30 41.5	0.10 3653	5878	1 3.3
	17	20 50 28.22	6 37.16	19 34 24.5	32 1.4	0.09 7775	6298	1 6.1
	18	20 57 5.38	6 30.57	−19 2 23.1	33 16.2	0.09 1477	6743	1 8.8
	19	21 3 35.95	6 22.94	18 29 6.9	34 25.7	0.08 4734	7210	1 11.3
	20	21 9 58.89	6 14.12	17 54 41.2	35 27.7	0.07 7524	7700	1 13.8
	21	21 16 13.01	6 3.95	17 19 13.5	36 20.9	0.06 9824	8212	1 16.1
	22	21 22 16.96	5 52.24	16 42 52.6	37 4.7	0.06 1612	8744	1 18.2
	23	21 28 9.20	5 38.85	16 5 47.9	37 36.4	0.05 2868	9293	1 20.1
	24	21 33 48.05	5 23.54	−15 28 11.5	37 54.6	0.04 3575	9853	1 21.8
	25	21 39 11.59	5 6.13	14 50 16.9	37 57.1	0.03 3722	10421	1 23.2
	26	21 44 17.72	4 46.44	14 12 19.8	37 41.8	0.02 3301	10985	1 24.4
	27	21 49 4.16	4 24.27	13 34 38.0	37 6.8	0.01 2316	11538	1 25.2
	28	21 53 28.43	3 59.50	12 57 31.2	36 10.0	0.00 0778	12067	1 25.6
	29	21 57 27.93	3 32.01	12 21 21.2	34 49.2	9.98 8711	12556	1 25.6
	30	22 0 59.94	3 1.78	−11 46 32.0	33 3.4	9.97 6155	12988	1 25.2
	31	22 4 1.72	2 28.87	11 13 28.6	30 51.2	9.96 3167	13344	1 24.3
Febr.	1	22 6 30.59	1 53.45	10 42 37.4	28 12.2	9.94 9823	13603	1 22.8
	2	22 8 24.04	1 15.79	10 14 25.2	25 6.8	9.93 6220	13744	1 20.7
	3	22 9 39.83	0 36.36	9 49 18.4	21 36.3	9.92 2476	13745	1 17.9
	4	22 10 16.19	0 4.25	9 27 42.1	17 43.0	9.90 8731	13584	1 14.5
	5	22 10 11.94	0 45.26	− 9 9 59.1	13 30.5	9.89 5147	13245	1 10.5
	6	22 9 26.68	1 25.77	8 56 28.6	9 3.6	9.88 1902	12714	1 5.8
	7	22 8 0.91	2 4.72	8 47 25.0	4 28.2	9.86 9188	11984	1 0.5
	8	22 5 56.19	2 40.98	8 42 56.8	0 8.6	9.85 7204	11058	0 54.5
	9	22 3 15.21	3 13.40	8 43 5.4	4 39.0	9.84 6146	9944	0 47.9
	10	22 0 1.81		8 47 44.4		9.83 6202		0 40.7

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	22 0 1.81	3 40.90	− 8 47 44.4	8 55.5	9.83 6202	8664	0 40.7
11	21 56 20.91	4 2.56	8 56 39.9	12 50.2	9.82 7538	7247	0 33.1
12	21 52 18.35	4 17.65	9 9 30.1	16 16.4	9.82 0291	5731	0 25.2
13	21 48 0.70	4 25.82	9 25 46.5	19 9.2	9.81 4560	4160	0 17.0
14	21 43 34.88	4 26.99	9 44 55.7	21 24.8	9.81 0400	2578	0 8.6
15	21 39 7.89	4 21.43	10 6 20.5	23 2.3	9.80 7822	1031	{ 0 0.2 23 52.0
16	21 34 46.46	4 9.74	−10 29 22.8	24 2.6	9.80 6791	443	23 44.0
17	21 30 36.72	3 52.70	10 53 25.4	24 27.5	9.80 7234	1812	23 36.2
18	21 26 44.02	3 31.28	11 17 52.9	24 21.3	9.80 9046	3052	23 28.7
19	21 23 12.74	3 6.44	11 42 14.2	23 47.8	9.81 2098	4149	23 21.7
20	21 20 6.30	2 39.20	12 6 2.0	22 51.9	9.81 6247	5098	23 15.2
21	21 17 27.10	2 10.43	12 28 53.9	21 38.1	9.82 1345	5899	23 9.1
22	21 15 16.67	1 40.96	−12 50 32.0	20 10.5	9.82 7244	6559	23 3.5
23	21 13 35.71	1 11.44	13 10 42.5	18 32.7	9.83 3803	7089	22 58.3
24	21 12 24.27	0 42.38	13 29 15.2	16 47.9	9.84 0892	7499	22 53.7
25	21 11 41.89	0 14.20	13 46 3.1	14 58.4	9.84 8391	7806	22 49.5
26	21 11 27.69	0 12.83	14 1 1.5	13 6.1	9.85 6197	8023	22 45.7
27	21 11 40.52	0 38.51	14 14 7.6	11 12.7	9.86 4220	8162	22 42.4
28	21 12 19.03	1 2.73	−14 25 20.3	9 19.1	9.87 2382	8236	22 39.5
März 1	21 13 21.76	1 25.44	14 34 39.4	7 26.2	9.88 0618	8256	22 37.0
2	21 14 47.20	1 46.63	14 42 5.6	5 34.5	9.88 8874	8231	22 34.8
3	21 16 33.83	2 6.34	14 47 40.1	3 44.4	9.89 7105	8171	22 32.9
4	21 18 40.17	2 24.62	14 51 24.5	1 56.0	9.90 5276	8082	22 31.4
5	21 21 4.79	2 41.53	14 53 20.5	0 9.5	9.91 3358	7971	22 30.1
6	21 23 46.32	2 57.15	−14 53 30.0	1 34.8	9.92 1329	7842	22 29.1
7	21 26 43.47	3 11.57	14 51 55.2	3 17.3	9.92 9171	7700	22 28.3
8	21 29 55.04	3 24.87	14 48 37.9	4 57.7	9.93 6871	7549	22 27.8
9	21 33 19.91	3 37.15	14 43 40.2	6 36.3	9.94 4420	7392	22 27.5
10	21 36 57.06	3 48.49	14 37 3.9	8 12.9	9.95 1812	7230	22 27.3
11	21 40 45.55	3 58.93	14 28 51.0	9 47.9	9.95 9042	7066	22 27.3
12	21 44 44.48	4 8.61	−14 19 3.1	11 21.0	9.96 6108	6900	22 27.5
13	21 48 53.09	4 17.54	14 7 42.1	12 52.6	9.97 3008	6735	22 27.9
14	21 53 10.63	4 25.83	13 54 49.5	14 22.5	9.97 9743	6572	22 28.4
15	21 57 36.46	4 33.52	13 40 27.0	15 51.1	9.98 6315	6410	22 29.0
16	22 2 9.98	4 40.65	13 24 35.9	17 18.0	9.99 2725	6250	22 29.7
17	22 6 50.63	4 47.33	13 7 17.9	18 43.7	9.99 8975	6093	22 30.5
18	22 11 37.96	4 53.53	−12 48 34.2	20 7.9	0.00 5068	5939	22 31.4
19	22 16 31.49	4 59.37	12 28 26.3	21 31.0	0.01 1007	5788	22 32.5
20	22 21 30.86	5 4.86	12 6 55.3	22 52.7	0.01 6795	5641	22 33.7
21	22 26 35.72	5 10.02	11 44 2.6	24 13.3	0.02 2436	5496	22 34.9
22	22 31 45.74	5 14.93	11 19 49.3	25 32.7	0.02 7932	5354	22 36.2
23	22 37 0.67		10 54 16.6		0.03 3286		22 37.5

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
März 23	22 37 0.67	5 19.60	−10 54 16.6	26 50.9	0.03 3286	5216	22 37.5
24	22 42 20.27	5 24.08	10 27 25.7	28 8.0	0.03 8502	5079	22 39.0
25	22 47 44.35	5 28.39	9 59 17.7	29 24.4	0.04 3581	4946	22 40.5
26	22 53 12.74	5 32.56	9 29 53.3	30 39.4	0.04 8527	4814	22 42.1
27	22 58 45.30	5 36.63	8 59 13.9	31 53.4	0.05 3341	4684	22 43.8
28	23 4 21.93	5 40.61	8 27 20.5	33 6.5	0.05 8025	4555	22 45.5
29	23 10 2.54	5 44.55	− 7 54 14.0	34 18.4	0.06 2580	4428	22 47.3
30	23 15 47.09	5 48.45	7 19 55.6	35 29.5	0.06 7008	4300	22 49.2
31	23 21 35.54	5 52.36	6 44 26.1	36 39.5	0.07 1308	4173	22 51.1
April 1	23 27 27.90	5 56.29	6 7 46.6	37 48.4	0.07 5481	4045	22 53.1
2	23 33 24.19	6 0.24	5 29 58.2	38 56.3	0.07 9526	3915	22 55.2
3	23 39 24.43	6 4.28	4 51 1.9	40 3.0	0.08 3441	3784	22 57.3
4	23 45 28.71	6 8.39	− 4 10 58.9	41 8.6	0.08 7225	3649	22 59.5
5	23 51 37.10	6 12.61	3 29 50.3	42 13.0	0.09 0874	3512	23 1.8
6	23 57 49.71	6 16.95	2 47 37.3	43 15.9	0.09 4386	3369	23 4.1
7	0 4 6.66	6 21.44	2 4 21.4	44 17.5	0.09 7755	3222	23 6.5
8	0 10 28.10	6 26.07	1 20 3.9	45 17.4	0.10 0977	3069	23 9.0
9	0 16 54.17	6 30.90	− 0 34 46.5	46 15.6	0.10 4046	2908	23 11.6
10	0 23 25.07	6 35.89	+ 0 11 29.1	47 11.8	0.10 6954	2738	23 14.3
11	0 30 0.96	6 41.08	0 58 40.9	48 5.6	0.10 9692	2558	23 17.0
12	0 36 42.04	6 46.47	1 46 46.5	48 57.1	0.11 2250	2367	23 19.8
13	0 43 28.51	6 52.07	2 35 43.6	49 45.7	0.11 4617	2164	23 22.7
14	0 50 20.58	6 57.84	3 25 29.3	50 31.0	0.11 6781	1947	23 25.8
15	0 57 18.42	7 3.83	4 16 0.3	51 12.4	0.11 8728	1714	23 29.0
16	1 4 22.25	7 9.96	+ 5 7 12.7	51 49.7	0.12 0442	1464	23 32.2
17	1 11 32.21	7 16.26	5 59 2.4	52 22.0	0.12 1906	1195	23 35.5
18	1 18 48.47	7 22.66	6 51 24.4	52 48.8	0.12 3101	908	23 38.9
19	1 26 11.13	7 29.13	7 44 13.2	53 9.2	0.12 4009	598	23 42.4
20	1 33 40.26	7 35.62	8 37 22.4	53 22.5	0.12 4607	267	23 46.1
21	1 41 15.88	7 42.04	9 30 44.9	53 27.9	0.12 4874	87	23 49.9
22	1 48 57.92	7 48.31	+10 24 12.8	53 24.4	0.12 4787	464	23 53.8
23	1 56 46.23	7 54.37	11 17 37.2	53 11.2	0.12 4323	865	23 57.8
24	2 4 40.60	8 0.06	12 10 48.4	52 47.4	0.12 3458	1286	—
25	2 12 40.66	8 5.30	13 3 35.8	52 12.3	0.12 2172	1730	0 1.8
26	2 20 45.96	8 9.94	13 55 48.1	51 25.4	0.12 0442	2192	0 6.0
27	2 28 55.90	8 13.86	14 47 13.5	50 25.9	0.11 8250	2670	0 10.2
28	2 37 9.76	8 16.94	+15 37 39.4	49 14.0	0.11 5580	3160	0 14.5
29	2 45 26.70	8 19.07	16 26 53.4	47 49.5	0.11 2420	3659	0 18.9
30	2 53 45.77	8 20.13	17 14 42.9	46 13.0	0.10 8761	4160	0 23.3
Mai 1	3 2 5.90	8 20.05	18 0 55.9	44 25.0	0.10 4601	4660	0 27.7
2	3 10 25.95	8 18.76	18 45 20.9	42 26.5	0.09 9941	5154	0 32.1
3	3 18 44.71		19 27 47.4		0.09 4787		0 36.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Mai 3	3 18 44.71	8 16.24	+19 27 47.4	40 18.8	0.09 4787	5637	0 36.4
4	3 27 0.95	8 12.48	20 8 6.2	38 3.0	0.08 9150	6104	0 40.8
5	3 35 13.43	8 7.49	20 46 9.2	35 40.9	0.08 3046	6552	0 45.1
6	3 43 20.92	8 1.33	21 21 50.1	33 14.1	0.07 6494	6978	0 49.3
7	3 51 22.25	7 54.01	21 55 4.2	30 43.9	0.06 9516	7378	0 53.3
8	3 59 16.26	7 45.64	22 25 48.1	28 12.0	0.06 2138	7753	0 57.3
9	4 7 1.90	7 36.29	+22 54 0.1	25 39.6	0.05 4385	8100	1 1.1
10	4 14 38.19	7 26.00	23 19 39.7	23 8.1	0.04 6285	8420	1 4.8
11	4 22 4.19	7 14.89	23 42 47.8	20 38.6	0.03 7865	8712	1 8.3
12	4 29 19.08	7 3.00	24 3 26.4	18 11.7	0.02 9153	8978	1 11.6
13	4 36 22.08	6 50.40	24 21 38.1	15 48.6	0.02 0175	9216	1 14.7
14	4 43 12.48	6 37.17	24 37 26.7	13 29.4	0.01 0959	9431	1 17.6
15	4 49 49.65	6 23.32	+24 50 56.1	11 15.0	0.00 1528	9621	1 20.2
16	4 56 12.97	6 8.91	25 2 11.1	9 5.3	9.99 1907	9788	1 22.7
17	5 2 21.88	5 53.99	25 11 16.4	7 0.9	9.98 2119	9931	1 24.9
18	5 8 15.87	5 38.57	25 18 17.3	5 1.8	9.97 2188	10054	1 26.8
19	5 13 54.44	5 22.66	25 23 19.1	3 8.1	9.96 2134	10155	1 28.5
20	5 19 17.10	5 6.30	25 26 27.2	1 19.7	9.95 1979	10235	1 29.9
21	5 24 23.40	4 49.49	+25 27 46.9	0 23.1	9.94 1744	10295	1 31.1
22	5 29 12.89	4 32.26	25 27 23.8	2 0.7	9.93 1449	10331	1 32.1
23	5 33 45.15	4 14.59	25 25 23.1	3 33.0	9.92 1118	10348	1 32.7
24	5 37 59.74	3 56.52	25 21 50.1	4 59.9	9.91 0770	10342	1 32.9
25	5 41 56.26	3 38.04	25 16 50.2	6 22.0	9.90 0428	10311	1 32.8
26	5 45 34.30	3 19.16	25 10 28.2	7 38.8	9.89 0117	10256	1 32.4
27	5 48 53.46	2 59.94	+25 2 49.4	8 50.8	9.87 9861	10174	1 31.8
28	5 51 53.40	2 40.36	24 53 58.6	9 58.0	9.86 9687	10064	1 30.9
29	5 54 33.76	2 20.47	24 44 0.6	11 0.3	9.85 9623	9923	1 29.6
30	5 56 54.23	2 0.33	24 33 0.3	11 58.1	9.84 9700	9749	1 28.0
31	5 58 54.56	1 40.00	24 21 2.2	12 51.1	9.83 9951	9539	1 26.0
Juni 1	6 0 34.56	1 19.51	24 8 11.1	13 39.5	9.83 0412	9292	1 23.7
2	6 1 54.07	0 59.01	+23 54 31.6	14 23.2	9.82 1120	9003	1 21.0
3	6 2 53.08	0 38.57	23 40 8.4	15 2.1	9.81 2117	8670	1 18.1
4	6 3 31.65	0 18.33	23 25 6.3	15 36.2	9.80 3447	8292	1 14.8
5	6 3 49.98	0 1.56	23 9 30.1	16 5.2	9.79 5155	7866	1 11.2
6	6 3 48.42	0 20.94	22 53 24.9	16 29.0	9.78 7289	7389	1 7.2
7	6 3 27.48	0 39.62	22 36 55.9	16 47.3	9.77 9900	6862	1 2.9
8	6 2 47.86	0 57.41	+22 20 8.6	16 59.7	9.77 3038	6283	0 58.3
9	6 1 50.45	1 14.09	22 3 8.9	17 6.0	9.76 6755	5653	0 53.4
10	6 0 36.36	1 29.46	21 46 2.9	17 5.5	9.76 1102	4974	0 48.2
11	5 59 6.90	1 43.27	21 28 57.4	16 58.2	9.75 6128	4248	0 42.8
12	5 57 23.63	1 55.36	21 11 59.2	16 43.3	9.75 1880	3481	0 37.1
13	5 55 28.27		20 55 15.9		9.74 8399		0 31.3

Tag	0h mittlere Zeit Greenwich Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Juni 13	5 55 28.27	2 5.50	+20 55 15.9	16 20.8	9.74 8399	2675	0 31.3
14	5 53 22.77	2 13.54	20 38 55.1	15 50.1	9.74 5724	1837	0 25.3
15	5 51 9.23	2 19.34	20 23 5.0	15 11.4	9.74 3887	977	0 19.2
16	5 48 49.89	2 22.79	20 7 53.6	14 24.4	9.74 2910	99	0 12.9
17	5 46 27.10	2 23.85	19 53 29.2	13 29.2	9.74 2811	786	0 6.6
18	5 44 3.25	2 22.48	19 40 0.0	12 26.3	9.74 3597	1668	0 0.3 23 54.0
19	5 41 40.77	2 18.73	+19 27 33.7	11 16.1	9.74 5265	2541	23 47.8
20	5 39 22.04	2 12.68	19 16 17.6	9 59.0	9.74 7806	3395	23 41.6
21	5 37 9.36	2 4.43	19 6 18.6	8 36.2	9.75 1201	4221	23 35.6
22	5 35 4.93	1 54.13	18 57 42.4	7 8.7	9.75 5422	5014	23 29.8
23	5 33 10.80	1 41.97	18 50 33.7	5 37.1	9.76 0436	5768	23 24.2
24	5 31 28.83	1 28.12	18 44 56.6	4 3.0	9.76 6204	6476	23 18.8
25	5 30 0.71	1 12.78	+18 40 53.6	2 27.4	9.77 2680	7136	23 13.7
26	5 28 47.93	0 56.15	18 38 26.2	0 51.3	9.77 9816	7745	23 8.8
27	5 27 51.78	0 38.45	18 37 34.9	0 43.9	9.78 7561	8303	23 4.2
28	5 27 13.33	0 19.81	18 38 18.8	2 17.2	9.79 5864	8807	22 59.9
29	5 26 53.52	0 0.46	18 40 36.0	3 47.5	9.80 4671	9260	22 56.0
30	5 26 53.06	0 19.49	18 44 23.5	5 14.1	9.81 3931	9661	22 52.4
Juli 1	5 27 12.55	0 39.90	+18 49 37.6	6 36.0	9.82 3592	10013	22 49.1
2	5 27 52.45	1 0.64	18 56 13.6	7 52.4	9.83 3605	10317	22 46.1
3	5 28 53.09	1 21.63	19 4 6.0	9 2.8	9.84 3922	10575	22 43.5
4	5 30 14.72	1 42.78	19 13 8.8	10 6.4	9.85 4497	10790	22 41.3
5	5 31 57.50	2 4.03	19 23 15.2	11 2.8	9.86 5287	10963	22 39.4
6	5 34 1.53	2 25.32	19 34 18.0	11 51.3	9.87 6250	11097	22 37.9
7	5 36 26.85	2 46.61	+19 46 9.3	12 31.9	9.88 7347	11193	22 36.7
8	5 39 13.46	3 7.87	19 58 41.2	13 3.6	9.89 8540	11255	22 35.9
9	5 42 21.33	3 29.07	20 11 44.8	13 26.3	9.90 9795	11280	22 35.4
10	5 45 50.40	3 50.20	20 25 11.1	13 39.7	9.92 1075	11274	22 35.3
11	5 49 40.60	4 11.21	20 38 50.8	13 43.2	9.93 2349	11236	22 35.5
12	5 53 51.81	4 32.09	20 52 34.0	13 36.5	9.94 3585	11165	22 36.0
13	5 58 23.90	4 52.80	+21 6 10.5	13 19.1	9.95 4750	11064	22 36.9
14	6 3 16.70	5 13.30	21 19 29.6	12 50.8	9.96 5814	10932	22 38.2
15	6 8 30.00	5 33.53	21 32 20.4	12 11.2	9.97 6746	10767	22 39.8
16	6 14 3.53	5 53.43	21 44 31.6	11 20.0	9.98 7513	10573	22 41.7
17	6 19 56.96	6 12.92	21 55 51.6	10 16.9	9.99 8086	10346	22 44.0
18	6 26 9.88	6 31.86	22 6 8.5	9 1.8	0.00 8432	10086	22 46.6
19	6 32 41.74	6 50.19	+22 15 10.3	7 34.6	0.01 8518	9796	22 49.5
20	6 39 31.93	7 7.73	22 22 44.9	5 55.7	0.02 8314	9472	22 52.7
21	6 46 39.66	7 24.33	22 28 40.6	4 5.1	0.03 7786	9118	22 56.1
22	6 54 3.99	7 39.84	22 32 45.7	2 3.8	0.04 6904	8732	22 59.8
23	7 1 43.83	7 54.08	22 34 49.5	0 7.8	0.05 5636	8318	22 3.8
24	7 9 37.91		22 34 41.7		0.06 3954		22 8.0

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Juli 24	7 9 37.91	8 6.90	+22 34 41.7	2 28.2	0.06 3954	7876	23 8.0
25	7 17 44.81	8 18.14	22 32 13.5	4 56.3	0.07 1830	7412	23 12.3
26	7 26 2.95	8 27.68	22 27 17.2	7 30.3	0.07 9242	6927	23 16.8
27	7 34 30.63	8 35.42	22 19 46.9	10 8.4	0.08 6169	6427	23 21.5
28	7 43 6.05	8 41.29	22 9 38.5	12 48.8	0.09 2596	5917	23 26.3
29	7 51 47.34	8 45.30	21 56 49.7	15 29.2	0.09 8513	5402	23 31.1
30	8 0 32.64	8 47.48	+21 41 20.5	18 7.9	0.10 3915	4885	23 35.9
31	8 9 20.12	8 47.88	21 23 12.6	20 43.0	0.10 8800	4374	23 40.8
Aug. 1	8 18 8.00	8 46.65	21 2 29.6	23 12.9	0.11 3174	3873	23 45.7
2	8 26 54.65	8 43.91	20 39 16.7	25 36.1	0.11 7047	3385	23 50.5
3	8 35 38.56	8 39.82	20 13 40.6	27 51.6	0.12 0432	2913	23 55.3
4	8 44 18.38	8 34.60	19 45 49.0	29 58.6	0.12 3345	2462	23 59.9
5	8 52 52.98	8 28.38	+19 15 50.4	31 56.4	0.12 5807	2032	—
6	9 1 21.36	8 21.36	18 43 54.0	33 44.9	0.12 7839	1624	0 4.4
7	9 9 42.72	8 13.73	18 10 9.1	35 23.7	0.12 9463	1240	0 8.8
8	9 17 56.45	8 5.63	17 34 45.4	36 53.3	0.13 0703	878	0 13.1
9	9 26 2.08	7 57.20	16 57 52.1	38 13.8	0.13 1581	539	0 17.3
10	9 33 59.28	7 48.55	16 19 38.3	39 25.4	0.13 2120	221	0 21.3
11	9 41 47.83	7 39.80	+15 40 12.9	40 28.8	0.13 2341	75	0 25.2
12	9 49 27.63	7 31.04	14 59 44.1	41 24.4	0.13 2266	352	0 28.9
13	9 56 58.67	7 22.33	14 18 19.7	42 12.5	0.13 1914	613	0 32.5
14	10 4 21.00	7 13.74	13 36 7.2	42 53.9	0.13 1301	855	0 35.9
15	10 11 34.74	7 5.31	12 53 13.3	43 28.8	0.13 0446	1083	0 39.2
16	10 18 40.05	6 57.08	12 9 44.5	43 58.0	0.12 9363	1299	0 42.4
17	10 25 37.13	6 49.04	+11 25 46.5	44 21.7	0.12 8064	1500	0 45.4
18	10 32 26.17	6 41.26	10 41 24.8	44 40.4	0.12 6564	1692	0 48.3
19	10 39 7.43	6 33.72	9 56 44.4	44 54.5	0.12 4872	1874	0 51.0
20	10 45 41.15	6 26.42	9 11 49.9	45 4.3	0.12 2998	2048	0 53.6
21	10 52 7.57	6 19.37	8 26 45.6	45 10.1	0.12 0950	2215	0 56.1
22	10 58 26.94	6 12.57	7 41 35.5	45 12.4	0.11 8735	2374	0 58.5
23	11 4 39.51	6 6.00	+ 6 56 23.1	45 11.2	0.11 6361	2530	1 0.8
24	11 10 45.51	5 59.66	6 11 11.9	45 6.9	0.11 3831	2681	1 3.0
25	11 16 45.17	5 53.53	5 26 5.0	44 59.6	0.11 1150	2828	1 5.0
26	11 22 38.70	5 47.62	4 41 5.4	44 49.6	0.10 8322	2972	1 7.0
27	11 28 26.32	5 41.89	3 56 15.8	44 36.9	0.10 5350	3115	1 8.8
28	11 34 8.21	5 36.33	3 11 38.9	44 21.7	0.10 2235	3256	1 10.5
29	11 39 44.54	5 30.95	+ 2 27 17.2	44 4.2	0.09 8979	3396	1 12.2
30	11 45 15.49	5 25.70	1 43 13.0	43 44.5	0.09 5583	3536	1 13.8
31	11 50 41.19	5 20.58	0 59 28.5	43 22.5	0.09 2047	3677	1 15.3
Sept. 1	11 56 1.77	5 15.56	+ 0 16 6.0	42 58.5	0.08 8370	3817	1 16.7
2	12 1 17.33	5 10.63	— 0 26 52.5	42 32.2	0.08 4553	3961	1 18.0
3	12 6 27.96		1 9 24.7		0.08 0592		1 19.2

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	12 6 27.96	5 5.77	— 1 9 24.7	42 4.0	0.08 0592	4106	1 19.2
4	12 11 33.73	5 0.95	1 51 28.7	41 33.6	0.07 6486	4252	1 20.3
5	12 16 34.68	4 56.15	2 33 2.3	41 1.2	0.07 2234	4402	1 21.4
6	12 21 30.83	4 51.34	3 14 3.5	40 26.7	0.06 7832	4556	1 22.4
7	12 26 22.17	4 46.51	3 54 30.2	39 50.0	0.06 3276	4712	1 23.3
8	12 31 8.68	4 41.60	4 34 20.2	39 11.1	0.05 8564	4872	1 24.1
9	12 35 50.28	4 36.60	— 5 13 31.3	38 29.8	0.05 3692	5036	1 24.8
10	12 40 26.88	4 31.48	5 52 1.1	37 46.2	0.04 8656	5206	1 25.5
11	12 44 58.36	4 26.19	6 29 47.3	36 59.9	0.04 3450	5379	1 26.1
12	12 49 24.55	4 20.70	7 6 47.2	36 11.0	0.03 8071	5558	1 26.6
13	12 53 45.25	4 14.95	7 42 58.2	35 19.2	0.03 2513	5741	1 27.0
14	12 58 0.20	4 8.92	8 18 17.4	34 24.2	0.02 6772	5930	1 27.3
15	13 2 9.12	4 2.53	— 8 52 41.6	33 26.0	0.02 0842	6123	1 27.5
16	13 6 11.65	3 55.75	9 26 7.6	32 24.0	0.01 4719	6322	1 27.6
17	13 10 7.40	3 48.51	9 58 31.6	31 18.2	0.00 8397	6525	1 27.6
18	13 13 55.91	3 40.72	10 29 49.8	30 8.0	0.00 1872	6731	1 27.4
19	13 17 36.63	3 32.34	10 59 57.8	28 53.2	9.99 5141	6942	1 27.1
20	13 21 8.97	3 23.26	11 28 51.0	27 32.9	9.98 8199	7156	1 26.7
21	13 24 32.23	3 13.42	— 11 56 23.9	26 7.0	9.98 1043	7369	1 26.1
22	13 27 45.65	3 2.72	12 22 30.9	24 34.7	9.97 3674	7583	1 25.4
23	13 30 48.37	2 51.06	12 47 5.6	22 55.6	9.96 6091	7794	1 24.5
24	13 33 39.43	2 38.33	13 10 1.2	21 8.4	9.95 8297	7999	1 23.4
25	13 36 17.76	2 24.47	13 31 9.6	19 12.6	9.95 0298	8196	1 22.1
26	13 38 42.23	2 9.33	13 50 22.2	17 7.5	9.94 2102	8381	1 20.6
27	13 40 51.56	1 52.83	— 14 7 29.7	14 51.6	9.93 3721	8546	1 18.8
28	13 42 44.39	1 34.87	14 22 21.3	12 24.3	9.92 5175	8687	1 16.7
29	13 44 19.26	1 15.39	14 34 45.6	9 44.4	9.91 6488	8795	1 14.3
30	13 45 34.65	0 54.33	14 44 30.0	6 50.8	9.90 7693	8862	1 11.6
Okt. 1	13 46 28.98	0 31.69	14 51 20.8	3 42.7	9.89 8831	8877	1 8.6
2	13 47 0.67	0 7.48	14 55 3.5	0 19.2	9.88 9954	8825	1 5.2
3	13 47 8.15	0 18.16	— 14 55 22.7	3 20.0	9.88 1129	8695	1 1.4
4	13 46 49.99	0 45.04	14 52 2.7	7 14.7	9.87 2434	8467	0 57.1
5	13 46 4.95	1 12.86	14 44 48.0	11 24.1	9.86 3967	8127	0 52.4
6	13 44 52.09	1 41.15	14 33 23.9	15 46.1	9.85 5840	7654	0 47.2
7	13 43 10.94	2 9.32	14 17 37.8	20 17.2	9.84 8186	7031	0 41.6
8	13 41 1.62	2 36.60	13 57 20.6	24 52.3	9.84 1155	6245	0 35.5
9	13 38 25.02	3 2.08	— 13 32 28.3	29 24.4	9.83 4910	5283	0 29.0
10	13 35 22.94	3 24.74	13 3 3.9	33 44.2	9.82 9627	4139	0 22.0
11	13 31 58.20	3 43.44	12 29 19.7	37 41.5	9.82 5488	2820	0 14.7
12	13 28 14.76	3 57.12	11 51 38.2	41 4.0	● 9.82 2668	1341	{ 0 7.1 / 23 59.3
13	13 24 17.64	4 4.79	11 10 34.2	43 39.7	9.82 1327	269	23 51.3
14	13 20 12.85		10 26 54.5		9.82 1596		23 43.3

Tag		0ʰ mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922		h m s	m s	° ′ ″	′ ″			h m
Okt.	14	13 20 12.85	4 5.70	−10 26 54.5	45 17.8	9.82 1596	1971	23 43.3
	15	13 16 7.15	3 59.40	9 41 36.7	45 49.5	9.82 3567	3713	23 35.4
	16	13 12 7.75	3 45.87	8 55 47.2	45 10.5	9.82 7280	5438	23 27.7
	17	13 8 21.88	3 25.43	8 10 36.7	43 19.7	9.83 2718	7091	23 20.4
	18	13 4 56.45	2 58.83	7 27 17.0	40 21.6	9.83 9809	8614	23 13.5
	19	13 1 57.62	2 27.13	6 46 55.4	36 24.2	9.84 8423	9963	23 7.1
	20	12 59 30.49	1 51.52	− 6 10 31.2	31 38.5	9.85 8386	11109	23 1.3
	21	12 57 38.97	1 13.36	5 38 52.7	26 17.3	9.86 9495	12029	22 56.1
	22	12 56 25.61	0 33.92	5 12 35.4	20 33.9	9.88 1524	12720	22 51.6
	23	12 55 51.69	0 5.63	4 52 1.5	14 40.7	9.89 4244	13187	22 47.7
	24	12 55 57.32	0 44.27	4 37 20.8	8 48.8	9.90 7431	13446	22 44.5
	25	12 56 41.59	1 21.21	4 28 32.0	3 7.1	9.92 0877	13520	22 41.9
	26	12 58 2.80	1 55.87	− 4 25 24.9	2 17.0	9.93 4397	13433	22 39.8
	27	12 59 58.67	2 27.84	4 27 41.9	7 18.8	9.94 7830	13213	22 38.3
	28	13 2 26.51	2 56.96	4 35 0.7	11 55.1	9.96 1043	12886	22 37.3
	29	13 5 23.47	3 23.11	4 46 55.8	16 3.9	9.97 3929	12476	22 36.7
	30	13 8 46.58	3 46.39	5 2 59.7	19 45.0	9.98 6405	12006	22 36.5
	31	13 12 32.97	4 6.89	5 22 44.7	22 58.9	9.99 8411	11495	22 36.7
Nov.	1	13 16 39.86	4 24.84	− 5 45 43.6	25 46.5	0.00 9906	10958	22 37.2
	2	13 21 4.70	4 40.46	6 11 30.1	28 9.7	0.02 0864	10409	22 37.9
	3	13 25 45.16	4 53.96	6 39 39.8	30 10.1	0.03 1273	9859	22 38.9
	4	13 30 39.12	5 5.61	7 9 49.9	31 49.8	0.04 1132	9314	22 40.0
	5	13 35 44.73	5 15.65	7 41 39.7	33 10.8	0.05 0446	8782	22 41.3
	6	13 41 0.38	5 24.25	8 14 50.5	34 14.9	0.05 9228	8266	22 42.7
	7	13 46 24.63	5 31.66	− 8 49 5.4	35 4.3	0.06 7494	7769	22 44.3
	8	13 51 56.29	5 38.04	9 24 9.7	35 40.2	0.07 5263	7293	22 46.0
	9	13 57 34.33	5 43.55	9 59 49.9	36 4.5	0.08 2556	6838	22 47.8
	10	14 3 17.88	5 48.33	10 35 54.4	36 18.5	0.08 9394	6405	22 49.6
	11	14 9 6.21	5 52.50	11 12 12.9	36 23.2	0.09 5799	5993	22 51.5
	12	14 14 58.71	5 56.17	11 48 36.1	36 20.1	0.10 1792	5604	22 53.5
	13	14 20 54.88	5 59.42	−12 24 56.2	36 9.9	0.10 7396	5233	22 55.6
	14	14 26 54.30	6 2.34	13 1 6.1	35 53.5	0.11 2629	4882	22 57.7
	15	14 32 56.64	6 4.97	13 36 59.6	35 31.5	0.11 7511	4549	22 59.8
	16	14 39 1.61	6 7.40	14 12 31.1	35 4.8	0.12 2060	4233	23 2.0
	17	14 45 9.01	6 9.65	14 47 35.9	34 33.7	0.12 6293	3933	23 4.2
	18	14 51 18.66	6 11.77	15 22 9.6	33 58.7	0.13 0226	3648	23 6.5
	19	14 57 30.43	6 13.77	−15 56 8.3	33 20.2	0.13 3874	3375	23 8.8
	20	15 3 44.20	6 15.72	16 29 28.5	32 38.8	0.13 7249	3115	23 11.1
	21	15 9 59.92	6 17.60	17 2 7.3	31 54.3	0.14 0364	2868	23 13.5
	22	15 16 17.52	6 19.44	17 34 1.6	31 7.3	0.14 3232	2631	23 15.9
	23	15 22 36.96	6 21.28	18 5 8.9	30 18.1	0.14 5863	2402	23 18.3
	24	15 28 58.24		18 35 27.0		0.14 8265		23 20.7

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	15 28 58.24	6 23.08	−18 35 27.0	29 26.5	0.14 8265	2183	23 20.7
25	15 35 21.32	6 24.90	19 4 53.5	28 32.8	0.15 0448	1972	23 23.2
26	15 41 46.22	6 26.70	19 33 26.3	27 37.4	0.15 2420	1768	23 25.7
27	15 48 12.92	6 28.54	20 1 3.7	26 40.1	0.15 4188	1570	23 28.2
28	15 54 41.46	6 30.36	20 27 43.8	25 41.0	0.15 5758	1377	23 30.8
29	16 1 11.82	6 32.21	20 53 24.8	24 40.3	0.15 7135	1190	23 33.4
30	16 7 44.03	6 34.05	−21 18 5.1	23 38.0	0.15 8325	1007	23 36.0
Dez. 1	16 14 18.08	6 35.92	21 41 43.1	22 34.0	0.15 9332	828	23 38.7
2	16 20 54.00	6 37.77	22 4 17.1	21 28.7	0.16 0160	650	23 41.4
3	16 27 31.77	6 39.63	22 25 45.8	20 21.8	0.16 0810	477	23 44.1
4	16 34 11.40	6 41.49	22 46 7.6	19 13.3	0.16 1287	305	23 46.8
5	16 40 52.89	6 43.33	23 5 20.9	18 3.6	0.16 1592	133	23 49.6
6	16 47 36.22	6 45.15	−23 23 24.5	16 52.3	0.16 1725	36	23 52.5
7	16 54 21.37	6 46.94	23 40 16.8	15 39.6	0.16 1689	206	23 55.3
8	17 1 8.31	6 48.71	23 55 56.4	14 25.5	0.16 1483	377	23 58.2
9	17 7 57.02	6 50.42	24 10 21.9	13 10.1	0.16 1106	547	—
10	17 14 47.44	6 52.08	24 23 32.0	11 53.3	0.16 0559	720	0 1.1
11	17 21 39.52	6 53.66	24 35 25.3	10 34.9	0.15 9839	894	0 4.0
12	17 28 33.18	6 55.18	−24 46 0.2	9 15.5	0.15 8945	1072	0 6.9
13	17 35 28.36	6 56.60	24 55 15.7	7 54.5	0.15 7873	1251	0 9.9
14	17 42 24.96	6 57.91	25 3 10.2	6 32.2	0.15 6622	1435	0 12.9
15	17 49 22.87	6 59.10	25 9 42.4	5 8.7	0.15 5187	1623	0 16.0
16	17 56 21.97	7 0.16	25 14 51.1	3 44.0	0.15 3564	1816	0 19.0
17	18 3 22.13	7 1.05	25 18 35.1	2 17.9	0.15 1748	2014	0 22.1
18	18 10 23.18	7 1.77	−25 20 53.0	0 50.8	0.14 9734	2219	0 25.2
19	18 17 24.95	7 2.30	25 21 43.8	0 37.6	0.14 7515	2431	0 28.3
20	18 24 27.25	7 2.62	25 21 6.2	2 6.8	0.14 5084	2650	0 31.4
21	18 31 29.87	7 2.70	25 18 59.4	3 37.2	0.14 2434	2878	0 34.5
22	18 38 32.57	7 2.51	25 15 22.2	5 8.4	0.13 9556	3115	0 37.6
23	18 45 35.08	7 2.03	25 10 13.8	6 40.2	0.13 6441	3364	0 40.7
24	18 52 37.11	7 1.24	−25 3 33.6	8 12.8	0.13 3077	3622	0 43.8
25	18 59 38.35	7 0.07	24 55 20.8	9 45.7	0.12 9455	3894	0 46.9
26	19 6 38.42	6 58.50	24 45 35.1	11 18.8	0.12 5561	4178	0 50.0
27	19 13 36.92	6 56.48	24 34 16.3	12 52.0	0.12 1383	4478	0 53.0
28	19 20 33.40	6 53.97	24 21 24.3	14 24.8	0.11 6905	4793	0 56.0
29	19 27 27.37	6 50.88	24 6 59.5	15 57.0	0.11 2112	5124	0 58.9
30	19 34 18.25	6 47.15	−23 51 2.5	17 28.2	0.10 6988	5474	1 1.8
31	19 41 5.40	6 42.72	23 33 34.3	18 57.8	0.10 1514	5842	1 4.7
32	19 47 48.12		23 14 36.5		0.09 5672		1 7.5

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	17 58 57.90	5 29.18	−23 28 4.2	2 12.9	0.22 4672	436	23 23.0
1	18 4 27.08	5 29.33	23 30 17.1	1 29.4	0.22 5108	425	23 24.5
2	18 9 56.41	5 29.41	23 31 46.5	0 45.7	0.22 5533	415	23 26.1
3	18 15 25.82	5 29.43	23 32 32.2	0 2.0	0.22 5948	403	23 27.6
4	18 20 55.25	5 29.38	23 32 34.2	0 41.8	0.22 6351	393	23 29.2
5	18 26 24.63	5 29.28	23 31 52.4	1 25.5	0.22 6744	383	23 30.7
6	18 31 53.91	5 29.10	−23 30 26.9	2 9.3	0.22 7127	372	23 32.3
7	18 37 23.01	5 28.87	23 28 17.6	2 53.0	0.22 7499	362	23 33.8
8	18 42 51.88	5 28.58	23 25 24.6	3 36.5	0.22 7861	352	23 35.3
9	18 48 20.46	5 28.23	23 21 48.1	4 19.9	0.22 8213	342	23 36.9
10	18 53 48.69	5 27.82	23 17 28.2	5 3.1	0.22 8555	331	23 38.4
11	18 59 16.51	5 27.34	23 12 25.1	5 46.1	0.22 8886	322	23 39.9
12	19 4 43.85	5 26.82	−23 6 39.0	6 28.9	0.22 9208	312	23 41.4
13	19 10 10.67	5 26.25	23 0 10.1	7 11.4	0.22 9520	302	23 42.9
14	19 15 36.92	5 25.62	22 52 58.7	7 53.7	0.22 9822	292	23 44.4
15	19 21 2.54	5 24.94	22 45 5.0	8 35.5	0.23 0114	282	23 45.9
16	19 26 27.48	5 24.22	22 36 29.5	9 17.0	0.23 0396	273	23 47.4
17	19 31 51.70	5 23.45	22 27 12.5	9 58.2	0.23 0669	262	23 48.8
18	19 37 15.15	5 22.63	−22 17 14.3	10 38.9	0.23 0931	252	23 50.2
19	19 42 37.78	5 21.77	22 6 35.4	11 19.2	0.23 1183	243	23 51.7
20	19 47 59.55	5 20.86	21 55 16.2	11 59.0	0.23 1426	232	23 53.1
21	19 53 20.41	5 19.92	21 43 17.2	12 38.4	0.23 1658	222	23 54.5
22	19 58 40.33	5 18.94	21 30 38.8	13 17.2	0.23 1880	211	23 55.8
23	20 3 59.27	5 17.92	21 17 21.6	13 55.4	0.23 2091	202	23 57.2
24	20 9 17.19	5 16.86	−21 3 26.2	14 33.0	0.23 2293	191	23 58.5
25	20 14 34.05	5 15.78	20 48 53.2	15 10.2	0.23 2484	180	23 59.8
26	20 19 49.83	5 14.67	20 33 43.0	15 46.6	0.23 2664	171	—
27	20 25 4.50	5 13.53	20 17 56.4	16 22.5	0.23 2835	160	0 1.2
28	20 30 18.03	5 12.37	20 1 33.9	16 57.7	0.23 2995	149	0 2.4
29	20 35 30.40	5 11.19	19 44 36.2	17 32.3	0.23 3144	139	0 3.7
30	20 40 41.59	5 9.98	−19 27 3.9	18 6.3	0.23 3283	129	0 5.0
31	20 45 51.57	5 8.77	19 8 57.6	18 39.4	0.23 3412	118	0 6.2
Febr. 1	20 51 0.34	5 7.53	18 50 18.2	19 12.0	0.23 3530	108	0 7.4
2	20 56 7.87	5 6.31	18 31 6.2	19 43.8	0.23 3638	98	0 8.6
3	21 1 14.18	5 5.06	18 11 22.4	20 14.9	0.23 3736	88	0 9.7
4	21 6 19.24	5 3.81	17 51 7.5	20 45.3	0.23 3824	77	0 10.9
5	21 11 23.05	5 2.56	−17 30 22.2	21 15.0	0.23 3901	68	0 12.0
6	21 16 25.61	5 1.31	17 9 7.2	21 43.9	0.23 3969	57	0 13.1
7	21 21 26.92	5 0.08	16 47 23.3	22 12.0	0.23 4026	47	0 14.2
8	21 26 27.00	4 58.84	16 25 11.3	22 39.5	0.23 4073	37	0 15.2
9	21 31 25.84	4 57.62	16 2 31.8	23 6.3	0.23 4110	27	0 16.3
10	21 36 23.46		15 39 25.5		0.23 4137		0 17.3

Tag	Scheinbare Rektaszension (0h mittlere Zeit Greenwich)		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	21 36 23.46	4 56.41	−15 39 25.5	23 32.2	0.23 4137	17	0 17.3
11	21 41 19.87	4 55.21	15 15 53.3	23 57.3	0.23 4154	7	0 18.3
12	21 46 15.08	4 54.03	14 51 56.0	24 21.9	0.23 4161	2	0 19.3
13	21 51 9.11	4 52.86	14 27 34.1	24 45.5	0.23 4159	13	0 20.2
14	21 56 1.97	4 51.73	14 2 48.6	25 8.4	0.23 4146	24	0 21.2
15	22 0 53.70	4 50.61	13 37 40.2	25 30.6	0.23 4122	33	0 22.1
16	22 5 44.31	4 49.52	−13 12 9.6	25 52.1	0.23 4089	43	0 23.0
17	22 10 33.83	4 48.45	12 46 17.5	26 12.6	0.23 4046	55	0 23.9
18	22 15 22.28	4 47.41	12 20 4.9	26 32.5	0.23 3991	64	0 24.7
19	22 20 9.69	4 46.39	11 53 32.4	26 51.6	0.23 3927	76	0 25.6
20	22 24 56.08	4 45.40	11 26 40.8	27 9.9	0.23 3851	86	0 26.4
21	22 29 41.48	4 44.44	10 59 30.9	27 27.4	0.23 3765	97	0 27.2
22	22 34 25.92	4 43.50	−10 32 3.5	27 44.2	0.23 3668	108	0 28.0
23	22 39 9.42	4 42.60	10 4 19.3	28 0.1	0.23 3560	120	0 28.8
24	22 43 52.02	4 41.73	9 36 19.2	28 15.4	0.23 3440	130	0 29.6
25	22 48 33.75	4 40.88	9 8 3.8	28 29.9	0.23 3310	142	0 30.3
26	22 53 14.63	4 40.08	8 39 33.9	28 43.5	0.23 3168	153	0 31.1
27	22 57 54.71	4 39.30	8 10 50.4	28 56.5	0.23 3015	165	0 31.8
28	23 2 34.01	4 38.57	− 7 41 53.9	29 8.6	0.23 2850	176	0 32.5
März 1	23 7 12.58	4 37.86	7 12 45.3	29 19.9	0.23 2674	187	0 33.2
2	23 11 50.44	4 37.19	6 43 25.4	29 30.6	0.23 2487	199	0 33.9
3	23 16 27.63	4 36.56	6 13 54.8	29 40.4	0.23 2288	211	0 34.6
4	23 21 4.19	4 35.97	5 44 14.4	29 49.5	0.23 2077	222	0 35.2
5	23 25 40.16	4 35.41	5 14 24.9	29 57.9	0.23 1855	234	0 35.9
6	23 30 15.57	4 34.90	− 4 44 27.0	30 5.5	0.23 1621	246	0 36.5
7	23 34 50.47	4 34.43	4 14 21.5	30 12.3	0.23 1375	258	0 37.2
8	23 39 24.90	4 34.00	3 44 9.2	30 18.5	0.23 1117	269	0 37.8
9	23 43 58.90	4 33.61	3 13 50.7	30 23.8	0.23 0848	280	0 38.4
10	23 48 32.51	4 33.25	2 43 26.9	30 28.5	0.23 0568	293	0 39.1
11	23 53 5.76	4 32.95	2 12 58.4	30 32.5	0.23 0275	304	0 39.7
12	23 57 38.71	4 32.69	− 1 42 25.9	30 35.6	0.22 9971	315	0 40.3
13	0 2 11.40	4 32.47	1 11 50.3	30 38.1	0.22 9656	328	0 40.9
14	0 6 43.87	4 32.31	0 41 12.2	30 39.9	0.22 9328	339	0 41.5
15	0 11 16.18	4 32.18	− 0 10 32.3	30 40.8	0.22 8989	352	0 42.1
16	0 15 48.36	4 32.10	+ 0 20 8.5	30 41.2	0.22 8637	363	0 42.7
17	0 20 20.46	4 32.06	0 50 49.7	30 40.8	0.22 8274	376	0 43.3
18	0 24 52.52	4 32.08	+ 1 21 30.5	30 39.7	0.22 7898	388	0 43.9
19	0 29 24.60	4 32.13	1 52 10.2	30 37.8	0.22 7510	401	0 44.4
20	0 33 56.73	4 32.22	2 22 48.0	30 35.2	0.22 7109	414	0 45.0
21	0 38 28.95	4 32.36	2 53 23.2	30 31.9	0.22 6695	426	0 45.6
22	0 43 1.31	4 32.54	3 23 55.1	30 27.8	0.22 6269	440	0 46.2
23	0 47 33.85		3 54 22.9		0.22 5829		0 46.8

Tag	0ʰ mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
März 23	0 47 33.85	4 32.77	+ 3 54 22.9	30 23.0	0.22 5829	453	0 46.8
24	0 52 6.62	4 33.02	4 24 45.9	30 17.5	0.22 5376	466	0 47.4
25	0 56 39.64	4 33.33	4 55 3.4	30 11.2	0.22 4910	480	0 48.0
26	1 1 12.97	4 33.66	5 25 14.6	30 4.2	0.22 4430	493	0 48.7
27	1 5 46.63	4 34.05	5 55 18.8	29 56.4	0.22 3937	508	0 49.3
28	1 10 20.68	4 34.46	6 25 15.2	29 47.9	0.22 3429	521	0 49.9
29	1 14 55.14	4 34.92	+ 6 55 3.1	29 38.6	0.22 2908	535	0 50.5
30	1 19 30.06	4 35.42	7 24 41.7	29 28.7	0.22 2373	549	0 51.2
31	1 24 5.48	4 35.94	7 54 10.4	29 17.9	0.22 1824	564	0 51.8
April 1	1 28 41.42	4 36.51	8 23 28.3	29 6.4	0.22 1260	578	0 52.5
2	1 33 17.93	4 37.10	8 52 34.7	28 54.1	0.22 0682	592	0 53.1
3	1 37 55.03	4 37.74	9 21 28.8	28 41.2	0.22 0090	607	0 53.8
4	1 42 32.77	4 38.41	+ 9 50 10.0	28 27.4	0.21 9483	621	0 54.5
5	1 47 11.18	4 39.10	10 18 37.4	28 12.9	0.21 8862	636	0 55.2
6	1 51 50.28	4 39.84	10 46 50.3	27 57.7	0.21 8226	650	0 55.9
7	1 56 30.12	4 40.60	11 14 48.0	27 41.7	0.21 7576	665	0 56.6
8	2 1 10.72	4 41.40	11 42 29.7	27 25.0	0.21 6911	679	0 57.4
9	2 5 52.12	4 42.23	12 9 54.7	27 7.5	0.21 6232	694	0 58.1
10	2 10 34.35	4 43.09	+12 37 2.2	26 49.3	0.21 5538	709	0 58.9
11	2 15 17.44	4 43.98	13 3 51.5	26 30.3	0.21 4829	724	0 59.7
12	2 20 1.42	4 44.89	13 30 21.8	26 10.7	0.21 4105	739	1 0.4
13	2 24 46.31	4 45.84	13 56 32.5	25 50.2	0.21 3366	753	1 1.2
14	2 29 32.15	4 46.82	14 22 22.7	25 28.9	0.21 2613	769	1 2.1
15	2 34 18.97	4 47.81	14 47 51.6	25 7.1	0.21 1844	784	1 2.9
16	2 39 6.78	4 48.82	+15 12 58.7	24 44.4	0.21 1060	799	1 3.8
17	2 43 55.60	4 49.86	15 37 43.1	24 20.9	0.21 0261	815	1 4.6
18	2 48 45.46	4 50.91	16 2 4.0	23 56.8	0.20 9446	831	1 5.5
19	2 53 36.37	4 51.98	16 26 0.8	23 31.9	0.20 8615	847	1 6.4
20	2 58 28.35	4 53.05	16 49 32.7	23 6.3	0.20 7768	863	1 7.4
21	3 3 21.40	4 54.15	17 12 39.0	22 40.0	0.20 6905	880	1 8.3
22	3 8 15.55	4 55.25	+17 35 19.0	22 12.8	0.20 6025	896	1 9.3
23	3 13 10.80	4 56.35	17 57 31.8	21 45.0	0.20 5129	913	1 10.3
24	3 18 7.15	4 57.45	18 19 16.8	21 16.4	0.20 4216	929	1 11.3
25	3 23 4.60	4 58.56	18 40 33.2	20 47.2	0.20 3287	947	1 12.3
26	3 28 3.16	4 59.66	19 1 20.4	20 17.1	0.20 2340	964	1 13.3
27	3 33 2.82	5 0.76	19 21 37.5	19 46.5	0.20 1376	981	1 14.3
28	3 38 3.58	5 1.85	+19 41 24.0	19 15.1	0.20 0395	998	1 15.4
29	3 43 5.43	5 2.92	20 0 39.1	18 43.0	0.19 9397	1017	1 16.5
30	3 48 8.35	5 3.98	20 19 22.1	18 10.3	0.19 8380	1034	1 17.6
Mai 1	3 53 12.33	5 5.03	20 37 32.4	17 36.9	0.19 7346	1051	1 18.8
2	3 58 17.36	5 6.06	20 55 9.3	17 2.8	0.19 6295	1070	1 19.9
3	4 3 23.42		21 12 12.1		0.19 5225		1 21.0

Tag		0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922		h m s	m s	° ′ ″	′ ″			h m
Mai	3	4 3 23.42	5 7.07	+21 12 12.1	16 28.1	0.19 5225	1087	1 21.0
	4	4 8 30.49	5 8.05	21 28 40.2	15 52.8	0.19 4138	1106	1 22.2
	5	4 13 38.54	5 9.01	21 44 33.0	15 17.0	0.19 3032	1124	1 23.4
	6	4 18 47.55	5 9.95	21 59 50.0	14 40.5	0.19 1908	1141	1 24.6
	7	4 23 57.50	5 10.85	22 14 30.5	14 3.4	0.19 0767	1160	1 25.9
	8	4 29 8.35	5 11.72	22 28 33.9	13 25.8	0.18 9607	1178	1 27.1
	9	4 34 20.07	5 12.56	+22 41 59.7	12 47.7	0.18 8429	1196	1 28.3
	10	4 39 32.63	5 13.37	22 54 47.4	12 9.1	0.18 7233	1214	1 29.6
	11	4 44 46.00	5 14.13	23 6 56.5	11 30.0	0.18 6019	1232	1 30.9
	12	4 50 0.13	5 14.85	23 18 26.5	10 50.4	0.18 4787	1251	1 32.2
	13	4 55 14.98	5 15.54	23 29 16.9	10 10.4	0.18 3536	1269	1 33.5
	14	5 0 30.52	5 16.18	23 39 27.3	9 30.0	0.18 2267	1288	1 34.8
	15	5 5 46.70	5 16.78	+23 48 57.3	8 49.2	0.18 0979	1306	1 36.1
	16	5 11 3.48	5 17.33	23 57 46.5	8 8.0	0.17 9673	1326	1 37.5
	17	5 16 20.81	5 17.82	24 5 54.5	7 26.6	0.17 8347	1345	1 38.8
	18	5 21 38.63	5 18.27	24 13 21.1	6 44.7	0.17 7002	1364	1 40.2
	19	5 26 56.90	5 18.65	24 20 5.8	6 2.7	0.17 5638	1383	1 41.5
	20	5 32 15.55	5 18.98	24 26 8.5	5 20.4	0.17 4255	1403	1 42.9
	21	5 37 34.53	5 19.25	+24 31 28.9	4 37.9	0.17 2852	1423	1 44.3
	22	5 42 53.78	5 19.46	24 36 6.8	3 55.1	0.17 1429	1443	1 45.7
	23	5 48 13.24	5 19.61	24 40 1.9	3 12.3	0.16 9986	1463	1 47.1
	24	5 53 32.85	5 19.69	24 43 14.2	2 29.3	0.16 8523	1483	1 48.5
	25	5 58 52.54	5 19.71	24 45 43.5	1 46.3	0.16 7040	1504	1 49.8
	26	6 4 12.25	5 19.66	24 47 29.8	1 3.1	0.16 5536	1524	1 51.2
	27	6 9 31.91	5 19.54	+24 48 32.9	0 20.0	0.16 4012	1546	1 52.6
	28	6 14 51.45	5 19.37	24 48 52.9	0 23.2	0.16 2466	1566	1 54.0
	29	6 20 10.82	5 19.12	24 48 29.7	1 6.3	0.16 0900	1587	1 55.4
	30	6 25 29.94	5 18.80	24 47 23.4	1 49.3	0.15 9313	1609	1 56.8
	31	6 30 48.74	5 18.42	24 45 34.1	2 32.3	0.15 7704	1630	1 58.1
Juni	1	6 36 7.16	5 17.98	24 43 1.8	3 15.1	0.15 6074	1652	1 59.5
	2	6 41 25.14	5 17.46	+24 39 46.7	3 57.7	0.15 4422	1672	2 0.9
	3	6 46 42.60	5 16.89	24 35 49.0	4 40.0	0.15 2750	1694	2 2.2
	4	6 51 59.49	5 16.25	24 31 9.0	5 22.3	0.15 1056	1716	2 3.5
	5	6 57 15.74	5 15.56	24 25 46.7	6 4.3	0.14 9340	1737	2 4.9
	6	7 2 31.30	5 14.81	24 19 42.4	6 46.0	0.14 7603	1759	2 6.2
	7	7 7 46.11	5 14.00	24 12 56.4	7 27.3	0.14 5844	1780	2 7.5
	8	7 13 0.11	5 13.14	+24 5 29.1	8 8.3	0.14 4064	1801	2 8.8
	9	7 18 13.25	5 12.23	23 57 20.8	8 48.9	0.14 2263	1824	2 10.1
	10	7 23 25.48	5 11.28	23 48 31.9	9 29.2	0.14 0439	1845	2 11.3
	11	7 28 36.76	5 10.27	23 39 2.7	10 9.1	0.13 8594	1866	2 12.6
	12	7 33 47.03	5 9.23	23 28 53.6	10 48.5	0.13 6728	1889	2 13.8
	13	7 38 56.26		23 18 5.1		0.13 4839		2 15.0

Bibl. Jag.

Tag	Scheinbare Rektaszension (0h mittlere Zeit Greenwich)	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Juni 13	7 38 56.26	5 8.15	+23 18 5.1	11 27.4	0.13 4839	1910	2 15.0
14	7 44 4.41	5 7.02	23 6 37.7	12 5.9	0.13 2929	1933	2 16.2
15	7 49 11.43	5 5.86	22 54 31.8	12 43.8	0.13 0996	1955	2 17.4
16	7 54 17.29	5 4.66	22 41 48.0	13 21.3	0.12 9041	1978	2 18.5
17	7 59 21.95	5 3.43	22 28 26.7	13 58.1	0.12 7063	2000	2 19.6
18	8 4 25.38	5 2.16	22 14 28.6	14 34.5	0.12 5063	2023	2 20.8
19	8 9 27.54	5 0.87	+21 59 54.1	15 10.3	0.12 3040	2047	2 21.9
20	8 14 28.41	4 59.56	21 44 43.8	15 45.4	0.12 0993	2069	2 22.9
21	8 19 27.97	4 58.21	21 28 58.4	16 19.9	0.11 8924	2093	2 24.0
22	8 24 26.18	4 56.85	21 12 38.5	16 53.9	0.11 6831	2117	2 25.0
23	8 29 23.03	4 55.46	20 55 44.6	17 27.1	0.11 4714	2141	2 26.0
24	8 34 18.49	4 54.06	20 38 17.5	17 59.8	0.11 2573	2165	2 27.0
25	8 39 12.55	4 52.64	+20 20 17.7	18 31.7	0.11 0408	2189	2 27.9
26	8 44 5.19	4 51.19	20 1 46.0	19 3.0	0.10 8219	2213	2 28.9
27	8 48 56.38	4 49.74	19 42 43.0	19 33.5	0.10 6006	2239	2 29.8
28	8 53 46.12	4 48.28	19 23 9.5	20 3.5	0.10 3767	2263	2 30.7
29	8 58 34.40	4 46.81	19 3 6.0	20 32.6	0.10 1504	2288	2 31.5
30	9 3 21.21	4 45.33	18 42 33.4	21 1.2	0.09 9216	2314	2 32.4
Juli 1	9 8 6.54	4 43.84	+18 21 32.2	21 29.0	0.09 6902	2338	2 33.2
2	9 12 50.38	4 42.36	18 0 3.2	21 56.0	0.09 4564	2364	2 34.0
3	9 17 32.74	4 40.88	17 38 7.2	22 22.4	0.09 2200	2389	2 34.7
4	9 22 13.62	4 39.40	17 15 44.8	22 48.0	0.08 9811	2414	2 35.5
5	9 26 53.02	4 37.92	16 52 56.8	23 12.9	0.08 7397	2440	2 36.2
6	9 31 30.94	4 36.45	16 29 43.9	23 37.2	0.08 4957	2465	2 36.9
7	9 36 7.39	4 35.00	+16 6 6.7	24 0.6	0.08 2492	2491	2 37.5
8	9 40 42.39	4 33.56	15 42 6.1	24 23.5	0.08 0001	2516	2 38.2
9	9 45 15.95	4 32.14	15 17 42.6	24 45.5	0.07 7485	2542	2 38.9
10	9 49 48.09	4 30.73	14 52 57.1	25 7.0	0.07 4943	2568	2 39.4
11	9 54 18.82	4 29.34	14 27 50.1	25 27.7	0.07 2375	2593	2 39.9
12	9 58 48.16	4 27.97	14 2 22.4	25 47.7	0.06 9782	2620	2 40.5
13	10 3 16.13	4 26.63	+13 36 34.7	26 7.0	0.06 7162	2646	2 41.0
14	10 7 42.76	4 25.30	13 10 27.7	26 25.6	0.06 4516	2673	2 41.5
15	10 12 8.06	4 23.99	12 44 2.1	26 43.4	0.06 1843	2700	2 42.0
16	10 16 32.05	4 22.71	12 17 18.7	27 0.6	0.05 9143	2726	2 42.4
17	10 20 54.76	4 21.46	11 50 18.1	27 17.2	0.05 6417	2754	2 42.9
18	10 25 16.22	4 20.23	11 23 0.9	27 32.9	0.05 3663	2781	2 43.3
19	10 29 36.45	4 19.02	+10 55 28.0	27 48.1	0.05 0882	2810	2 43.6
20	10 33 55.47	4 17.84	10 27 39.9	28 2.5	0.04 8072	2837	2 44.0
21	10 38 13.31	4 16.69	9 59 37.4	28 16.3	0.04 5235	2866	2 44.4
22	10 42 30.00	4 15.57	9 31 21.1	28 29.4	0.04 2369	2895	2 44.7
23	10 46 45.57	4 14.46	9 2 51.7	28 41.7	0.03 9474	2924	2 45.0
24	10 51 0.03		8 34 10.0		0.03 6550		2 45.3

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Juli 24	10 51 0.03	4 13.38	+ 8 34 10.0	28 53.4	0.03 6550	2953	2 45.3
25	10 55 13.41	4 12.32	8 5 16.6	29 4.4	0.03 3597	2983	2 45.6
26	10 59 25.73	4 11.29	7 36 12.2	29 14.7	0.03 0614	3014	2 45.9
27	11 3 37.02	4 10.28	7 6 57.5	29 24.3	0.02 7600	3044	2 46.1
28	11 7 47.30	4 9.29	6 37 33.2	29 33.3	0.02 4556	3075	2 46.3
29	11 11 56.59	4 8.33	6 7 59.9	29 41.5	0.02 1481	3106	2 46.5
30	11 16 4.92	4 7.39	+ 5 38 18.4	29 49.1	0.01 8375	3137	2 46.7
31	11 20 12.31	4 6.48	5 8 29.3	29 56.0	0.01 5238	3168	2 46.9
Aug. 1	11 24 18.79	4 5.59	4 38 33.3	30 2.3	0.01 2070	3200	2 47.1
2	11 28 24.38	4 4.72	4 8 31.0	30 7.9	0.00 8870	3232	2 47.2
3	11 32 29.10	4 3.89	3 38 23.1	30 12.9	0.00 5638	3263	2 47.4
4	11 36 32.99	4 3.08	3 8 10.2	30 17.3	0.00 2375	3296	2 47.5
5	11 40 36.07	4 2.30	+ 2 37 52.9	30 21.0	9.99 9079	3328	2 47.6
6	11 44 38.37	4 1.55	2 7 31.9	30 24.0	9.99 5751	3360	2 47.7
7	11 48 39.92	4 0.83	1 37 7.9	30 26.5	9.99 2391	3394	2 47.8
8	11 52 40.75	4 0.13	1 6 41.4	30 28.3	9.98 8997	3426	2 47.8
9	11 56 40.88	3 59.47	0 36 13.1	30 29.5	9.98 5571	3460	2 47.9
10	12 0 40.35	3 58.82	+ 0 5 43.6	30 30.2	9.98 2111	3493	2 47.9
11	12 4 39.17	3 58.21	— 0 24 46.6	30 30.2	9.97 8618	3527	2 48.0
12	12 8 37.38	3 57.62	0 55 16.8	30 29.5	9.97 5091	3562	2 48.0
13	12 12 35.00	3 57.06	1 25 46.3	30 28.3	9.97 1529	3596	2 48.0
14	12 16 32.06	3 56.53	1 56 14.6	30 26.5	9.96 7933	3632	2 48.0
15	12 20 28.59	3 56.01	2 26 41.1	30 24.1	9.96 4301	3667	2 48.0
16	12 24 24.60	3 55.53	2 57 5.2	30 21.1	9.96 0634	3703	2 48.0
17	12 28 20.13	3 55.07	— 3 27 26.3	30 17.5	9.95 6931	3740	2 48.0
18	12 32 15.20	3 54.62	3 57 43.8	30 13.4	9.95 3191	3778	2 48.0
19	12 36 9.82	3 54.20	4 27 57.2	30 8.6	9.94 9413	3815	2 47.9
20	12 40 4.02	3 53.78	4 58 5.8	30 3.2	9.94 5598	3853	2 47.9
21	12 43 57.80	3 53.40	5 28 9.0	29 57.1	9.94 1745	3892	2 47.9
22	12 47 51.20	3 53.01	5 58 6.1	29 50.6	9.93 7853	3932	2 47.8
23	12 51 44.21	3 52.64	— 6 27 56.7	29 43.3	9.93 3921	3972	2 47.8
24	12 55 36.85	3 52.27	6 57 40.0	29 35.5	9.92 9949	4014	2 47.7
25	12 59 29.12	3 51.91	7 27 15.5	29 27.0	9.92 5935	4054	2 47.6
26	13 3 21.03	3 51.55	7 56 42.5	29 18.0	9.92 1881	4097	2 47.5
27	13 7 12.58	3 51.18	8 26 0.5	29 8.3	9.91 7784	4139	2 47.5
28	13 11 3.76	3 50.83	8 55 8.8	28 57.9	9.91 3645	4183	2 47.4
29	13 14 54.59	3 50.46	— 9 24 6.7	28 47.0	9.90 9462	4225	2 47.3
30	13 18 45.05	3 50.10	9 52 53.7	28 35.5	9.90 5237	4270	2 47.2
31	13 22 35.15	3 49.73	10 21 29.2	28 23.3	9.90 0967	4313	2 47.1
Sept. 1	13 26 24.88	3 49.36	10 49 52.5	28 10.6	9.89 6654	4359	2 46.9
2	13 30 14.24	3 48.98	11 18 3.1	27 57.3	9.89 2295	4404	2 46.8
3	13 34 3.22		11 46 0.4		9.88 7891		2 46.7

Tag	0ʰ mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	0ʰ mittlere Zeit Greenwich: Scheinbare Deklination	Diff.	0ʰ mittlere Zeit Greenwich: log Δ	Diff.	Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Sept. 3	13 34 3.22	3 48.60	−11 46 0.4	27 43.5	9.88 7891	4449	2 46.7
4	13 37 51.82	3 48.20	12 13 43.9	27 29.0	9.88 3442	4495	2 46.6
5	13 41 40.02	3 47.79	12 41 12.9	27 13.9	9.87 8947	4542	2 46.4
6	13 45 27.81	3 47.37	13 8 26.8	26 58.3	9.87 4405	4590	2 46.3
7	13 49 15.18	3 46.94	13 35 25.1	26 42.1	9.86 9815	4637	2 46.1
8	13 53 2.12	3 46.49	14 2 7.2	26 25.4	9.86 5178	4685	2 46.0
9	13 56 48.61	3 46.01	−14 28 32.6	26 8.1	9.86 0493	4734	2 45.8
10	14 0 34.62	3 45.52	14 54 40.7	25 50.3	9.85 5759	4783	2 45.6
11	14 4 20.14	3 44.99	15 20 31.0	25 31.9	9.85 0976	4833	2 45.4
12	14 8 5.13	3 44.44	15 46 2.9	25 13.0	9.84 6143	4885	2 45.2
13	14 11 49.57	3 43.86	16 11 15.9	24 53.5	9.84 1258	4935	2 45.0
14	14 15 33.43	3 43.24	16 36 9.4	24 33.6	9.83 6323	4988	2 44.8
15	14 19 16.67	3 42.58	−17 0 43.0	24 13.0	9.83 1335	5041	2 44.6
16	14 22 59.25	3 41.88	17 24 56.0	23 52.0	9.82 6294	5094	2 44.4
17	14 26 41.13	3 41.12	17 48 48.0	23 30.5	9.82 1200	5149	2 44.1
18	14 30 22.25	3 40.31	18 12 18.5	23 8.4	9.81 6051	5205	2 43.9
19	14 34 2.56	3 39.44	18 35 26.9	22 45.9	9.81 0846	5262	2 43.6
20	14 37 42.00	3 38.49	18 58 12.8	22 22.8	9.80 5584	5319	2 43.3
21	14 41 20.49	3 37.46	−19 20 35.6	21 59.3	9.80 0265	5377	2 43.0
22	14 44 57.95	3 36.36	19 42 34.9	21 35.2	9.79 4888	5436	2 42.7
23	14 48 34.31	3 35.17	20 4 10.1	21 10.6	9.78 9452	5496	2 42.3
24	14 52 9.48	3 33.87	20 25 20.7	20 45.5	9.78 3956	5557	2 42.0
25	14 55 43.35	3 32.47	20 46 6.2	20 20.0	9.77 8399	5618	2 41.6
26	14 59 15.82	3 30.96	21 6 26.2	19 53.9	9.77 2781	5680	2 41.2
27	15 2 46.78	3 29.34	−21 26 20.1	19 27.3	9.76 7101	5742	2 40.8
28	15 6 16.12	3 27.60	21 45 47.4	19 0.2	9.76 1359	5805	2 40.3
29	15 9 43.72	3 25.74	22 4 47.6	18 32.8	9.75 5554	5867	2 39.8
30	15 13 9.46	3 23.75	22 23 20.4	18 4.8	9.74 9687	5930	2 39.3
Okt. 1	15 16 33.21	3 21.62	22 41 25.2	17 36.5	9.74 3757	5993	2 38.7
2	15 19 54.83	3 19.35	22 59 1.7	17 7.6	9.73 7764	6057	2 38.2
3	15 23 14.18	3 16.93	−23 16 9.3	16 38.4	9.73 1707	6120	2 37.5
4	15 26 31.11	3 14.36	23 32 47.7	16 8.7	9.72 5587	6182	2 36.9
5	15 29 45.47	3 11.63	23 48 56.4	15 38.6	9.71 9405	6246	2 36.2
6	15 32 57.10	3 8.72	24 4 35.0	15 8.2	9.71 3159	6308	2 35.4
7	15 36 5.82	3 5.64	24 19 43.2	14 37.2	9.70 6851	6371	2 34.6
8	15 39 11.46	3 2.39	24 34 20.4	14 5.9	9.70 0480	6432	2 33.7
9	15 42 13.85	2 58.95	−24 48 26.3	13 34.3	9.69 4048	6494	2 32.8
10	15 45 12.80	2 55.30	25 2 0.6	13 2.1	9.68 7554	6554	2 31.9
11	15 48 8.10	2 51.45	25 15 2.7	12 29.7	9.68 1000	6614	2 30.9
12	15 50 59.55	2 47.40	25 27 32.4	11 56.8	9.67 4386	6672	2 29.8
13	15 53 46.95	2 43.11	25 39 29.2	11 23.5	9.66 7714	6730	2 28.6
14	15 56 30.06		25 50 52.7		9.66 0984		2 27.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	15 56 30.06	2 38.61	−25 50 52.7	10 49.9	9.66 0984	6786	2 27.4
15	15 59 8.67	2 33.85	26 1 42.6	10 15.8	9.65 4198	6840	2 26.1
16	16 1 42.52	2 28.86	26 11 58.4	9 41.3	9.64 7358	6893	2 24.7
17	16 4 11.38	2 23.60	26 21 39.7	9 6.2	9.64 0465	6943	2 23.2
18	16 6 34.98	2 18.07	26 30 45.9	8 30.7	9.63 3522	6991	2 21.7
19	16 8 53.05	2 12.25	26 39 16.6	7 54.5	9.62 6531	7037	2 20.0
20	16 11 5.30	2 6.15	−26 47 11.1	7 17.9	9.61 9494	7078	2 18.3
21	16 13 11.45	1 59.75	26 54 29.0	6 40.6	9.61 2416	7116	2 16.4
22	16 15 11.20	1 53.03	27 1 9.6	6 2.5	9.60 5300	7150	2 14.5
23	16 17 4.23	1 45.99	27 7 12.1	5 23.7	9.59 8150	7177	2 12.4
24	16 18 50.22	1 38.62	27 12 35.8	4 44.0	9.59 0973	7199	2 10.2
25	16 20 28.84	1 30.95	27 17 19.8	4 3.5	9.58 3774	7214	2 7.9
26	16 21 59.79	1 22.98	−27 21 23.3	3 22.1	9.57 6560	7222	2 5.5
27	16 23 22.77	1 14.68	27 24 45.4	2 39.4	9.56 9338	7221	2 2.9
28	16 24 37.45	1 6.06	27 27 24.8	1 55.6	9.56 2117	7209	2 0.2
29	16 25 43.51	0 57.16	27 29 20.4	1 10.6	9.55 4908	7189	1 57.4
30	16 26 40.67	0 48.02	27 30 31.0	0 24.4	9.54 7719	7157	1 54.4
31	16 27 28.69	0 38.59	27 30 55.4	0 23.1	9.54 0562	7112	1 51.2
Nov. 1	16 28 7.28	0 28.90	−27 30 32.3	1 12.2	9.53 3450	7053	1 47.9
2	16 28 36.18	0 19.02	27 29 20.1	2 2.6	9.52 6397	6980	1 44.4
3	16 28 55.20	0 8.96	27 27 17.5	2 54.6	9.51 9417	6891	1 40.8
4	16 29 4.16	0 1.23	27 24 22.9	3 48.2	9.51 2526	6785	1 37.0
5	16 29 2.93	0 11.55	27 20 34.7	4 43.5	9.50 5741	6662	1 33.0
6	16 28 51.38	0 21.90	27 15 51.2	5 40.2	9.49 9079	6518	1 28.9
7	16 28 29.48	0 32.26	−27 10 11.0	6 38.3	9.49 2561	6355	1 24.6
8	16 27 57.22	0 42.55	27 3 32.7	7 37.7	9.48 6206	6171	1 20.1
9	16 27 14.67	0 52.72	26 55 55.0	8 38.5	9.48 0035	5965	1 15.5
10	16 26 21.95	1 2.69	26 47 16.5	9 40.3	9.47 4070	5736	1 10.7
11	16 25 19.26	1 12.41	26 37 36.2	10 42.7	9.46 8334	5485	1 5.7
12	16 24 6.85	1 21.77	26 26 53.5	11 45.8	9.46 2849	5209	1 0.6
13	16 22 45.08	1 30.70	−26 15 7.7	12 48.9	9.45 7640	4912	0 55.3
14	16 21 14.38	1 39.17	26 2 18.8	13 51.7	9.45 2728	4590	0 49.8
15	16 19 35.21	1 47.08	25 48 27.1	14 53.6	9.44 8138	4245	0 44.3
16	16 17 48.13	1 54.33	25 33 33.5	15 54.2	9.44 3893	3878	0 38.6
17	16 15 53.80	2 0.85	25 17 39.3	16 52.7	9.44 0015	3491	0 32.7
18	16 13 52.95	2 6.60	25 0 46.6	17 49.0	9.43 6524	3082	0 26.8
19	16 11 46.35	2 11.52	−24 42 57.6	18 42.3	9.43 3442	2655	0 20.8
20	16 9 34.83	2 15.53	24 24 15.3	19 31.7	9.43 0787	2212	0 14.7
21	16 7 19.30	2 18.57	24 4 43.6	20 16.4	9.42 8575	1754	0 8.5
22	16 5 0.73	2 20.63	23 44 27.2	20 56.0	9.42 6821	1283	0 2.3 23 56.0
23	16 2 40.10	2 21.70	23 23 31.2	21 30.2	9.42 5538	804	23 49.7
24	16 0 18.40		23 2 1.0		9.42 4734		23 43.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	16 0 18.40	2 21.71	−23 2 1.0	21 58.1	9.42 4734	319	23 43.4
25	15 57 56.69	2 20.69	22 40 2.9	22 19.5	9.42 4415	170	23 37.2
26	15 55 36.00	2 18.66	22 17 43.4	22 33.7	9.42 4585	657	23 31.0
27	15 53 17.34	2 15.65	21 55 9.7	22 40.6	9.42 5242	1141	23 24.8
28	15 51 1.69	2 11.70	21 32 29.1	22 40.1	9.42 6383	1617	23 18.7
29	15 48 49.99	2 6.86	21 9 49.0	22 32.5	9.42 8000	2084	23 12.6
30	15 46 43.13	2 1.18	−20 47 16.5	22 17.5	9.43 0084	2538	23 6.7
Dez. 1	15 44 41.95	1 54.74	20 24 59.0	21 55.4	9.43 2622	2974	23 0.8
2	15 42 47.21	1 47.62	20 3 3.6	21 26.8	9.43 5596	3393	22 55.1
3	15 40 59.59	1 39.91	19 41 36.8	20 52.1	9.43 8989	3791	22 49.5
4	15 39 19.68	1 31.67	19 20 44.7	20 11.3	9.44 2780	4169	22 44.1
5	15 37 48.01	1 22.97	19 0 33.4	19 25.2	9.44 6949	4524	22 38.8
6	15 36 25.04	1 13.91	−18 41 8.2	18 34.7	9.45 1473	4854	22 33.6
7	15 35 11.13	1 4.58	18 22 33.5	17 40.5	9.45 6327	5159	22 28.6
8	15 34 6.55	0 55.03	18 4 53.0	16 42.9	9.46 1486	5440	22 23.7
9	15 33 11.52	0 45.34	17 48 10.1	15 42.3	9.46 6926	5696	22 19.0
10	15 32 26.18	0 35.58	17 32 27.8	14 39.8	9.47 2622	5928	22 14.5
11	15 31 50.60	0 25.80	17 17 48.0	13 36.0	9.47 8550	6136	22 10.1
12	15 31 24.80	0 16.05	−17 4 12.0	12 31.2	9.48 4686	6322	22 5.9
13	15 31 8.75	0 6.37	16 51 40.8	11 26.0	9.49 1008	6486	22 1.9
14	15 31 2.38	0 3.19	16 40 14.8	10 20.8	9.49 7494	6630	21 58.0
15	15 31 5.57	0 12.57	16 29 54.0	9 16.2	9.50 4124	6752	21 54.3
16	15 31 18.14	0 21.78	16 20 37.8	8 12.3	9.51 0876	6858	21 50.7
17	15 31 39.92	0 30.83	16 12 25.5	7 9.5	9.51 7734	6948	21 47.2
18	15 32 10.75	0 39.65	−16 5 16.0	6 8.1	9.52 4682	7021	21 43.9
19	15 32 50.40	0 48.25	15 59 7.9	5 8.4	9.53 1703	7081	21 40.8
20	15 33 38.65	0 56.62	15 53 59.5	4 10.6	9.53 8784	7128	21 37.8
21	15 34 35.27	1 4.77	15 49 48.9	3 14.6	9.54 5912	7162	21 34.9
22	15 35 40.04	1 12.70	15 46 34.3	2 20.7	9.55 3074	7185	21 32.2
23	15 36 52.74	1 20.40	15 44 13.6	1 29.0	9.56 0259	7199	21 29.6
24	15 38 13.14	1 27.87	−15 42 44.6	0 39.5	9.56 7458	7203	21 27.1
25	15 39 41.01	1 35.11	15 42 5.1	0 7.8	9.57 4661	7198	21 24.7
26	15 41 16.12	1 42.14	15 42 12.9	0 52.7	9.58 1859	7187	21 22.5
27	15 42 58.26	1 48.95	15 43 5.6	1 35.3	9.58 9046	7169	21 20.3
28	15 44 47.21	1 55.55	15 44 40.9	2 15.5	9.59 6215	7143	21 18.3
29	15 46 42.76	2 1.95	15 46 56.4	2 53.4	9.60 3358	7114	21 16.4
30	15 48 44.71	2 8.14	−15 49 49.8	3 29.0	9.61 0472	7078	21 14.6
31	15 50 52.85	2 14.14	15 53 18.8	4 2.2	9.61 7550	7038	21 12.9
32	15 53 6.99		15 57 21.0		9.62 4588		21 11.2

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Jan. 1	14 6 54.01	2 13.64	−11 28 5.6	11 53.2	0.24 7141	2353	19 24.1
2	14 9 7.65	2 13.61	11 39 58.8	11 48.0	0.24 4788	2373	19 22.4
3	14 11 21.26	2 13.57	11 51 46.8	11 42.7	0.24 2415	2393	19 20.7
4	14 13 34.83	2 13.54	12 3 29.5	11 37.4	0.24 0022	2414	19 19.0
5	14 15 48.37	2 13.50	12 15 6.9	11 32.1	0.23 7608	2433	19 17.2
6	14 18 1.87	2 13.45	−12 26 39.0	11 26.7	0.23 5175	2453	19 15.5
7	14 20 15.32	2 13.41	12 38 5.7	11 21.2	0.23 2722	2474	19 13.8
8	14 22 28.73	2 13.37	12 49 26.9	11 15.6	0.23 0248	2494	19 12.1
9	14 24 42.10	2 13.33	13 0 42.5	11 10.1	0.22 7754	2514	19 10.4
10	14 26 55.43	2 13.27	13 11 52.6	11 4.4	0.22 5240	2535	19 8.7
11	14 29 8.70	2 13.22	13 22 57.0	10 58.8	0.22 2705	2555	19 6.9
12	14 31 21.92	2 13.18	−13 33 55.8	10 53.0	0.22 0150	2576	19 5.2
13	14 33 35.10	2 13.13	13 44 48.8	10 47.3	0.21 7574	2597	19 3.5
14	14 35 48.23	2 13.07	13 55 36.1	10 41.4	0.21 4977	2618	19 1.8
15	14 38 1.30	2 13.01	14 6 17.5	10 35.6	0.21 2359	2640	19 0.0
16	14 40 14.31	2 12.93	14 16 53.1	10 29.6	0.20 9719	2661	18 58.3
17	14 42 27.24	2 12.86	14 27 22.7	10 23.7	0.20 7058	2682	18 56.6
18	14 44 40.10	2 12.78	−14 37 46.4	10 17.6	0.20 4376	2705	18 54.8
19	14 46 52.88	2 12.69	14 48 4.0	10 11.6	0.20 1671	2727	18 53.1
20	14 49 5.57	2 12.57	14 58 15.6	10 5.2	0.19 8944	2749	18 51.4
21	14 51 18.14	2 12.47	15 8 20.8	9 59.1	0.19 6195	2771	18 49.7
22	14 53 30.61	2 12.34	15 18 19.9	9 52.9	0.19 3424	2793	18 47.9
23	14 55 42.95	2 12.22	15 28 12.8	9 46.6	0.19 0631	2816	18 46.2
24	14 57 55.17	2 12.07	−15 37 59.4	9 40.2	0.18 7815	2839	18 44.5
25	15 0 7.24	2 11.92	15 47 39.6	9 33.8	0.18 4976	2861	18 42.7
26	15 2 19.16	2 11.76	15 57 13.4	9 27.4	0.18 2115	2884	18 41.0
27	15 4 30.92	2 11.58	16 6 40.8	9 21.0	0.17 9231	2906	18 39.2
28	15 6 42.50	2 11.40	16 16 1.8	9 14.4	0.17 6325	2929	18 37.5
29	15 8 53.90	2 11.22	16 25 16.2	9 7.9	0.17 3396	2952	18 35.7
30	15 11 5.12	2 11.01	−16 34 24.1	9 1.3	0.17 0444	2974	18 34.0
31	15 13 16.13	2 10.81	16 43 25.4	8 54.7	0.16 7470	2997	18 32.2
Febr. 1	15 15 26.94	2 10.59	16 52 20.1	8 48.1	0.16 4473	3020	18 30.4
2	15 17 37.53	2 10.36	17 1 8.2	8 41.5	0.16 1453	3042	18 28.7
3	15 19 47.89	2 10.13	17 9 49.7	8 34.8	0.15 8411	3065	18 26.9
4	15 21 58.02	2 9.89	17 18 24.5	8 28.2	0.15 5346	3088	18 25.1
5	15 24 7.91	2 9.64	−17 26 52.7	8 21.5	0.15 2258	3111	18 23.4
6	15 26 17.55	2 9.38	17 35 14.2	8 14.8	0.14 9147	3134	18 21.6
7	15 28 26.93	2 9.10	17 43 29.0	8 8.2	0.14 6013	3157	18 19.8
8	15 30 36.03	2 8.84	17 51 37.2	8 1.5	0.14 2856	3180	18 18.0
9	15 32 44.87	2 8.55	17 59 38.7	7 54.9	0.13 9676	3204	18 16.2
10	15 34 53.42		18 7 33.6		0.13 6472		18 14.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	15 34 53.42	2 8.26	−18 7 33.6	7 48.2	0.13 6472	3227	18 14.4
11	15 37 1.68	2 7.96	18 15 21.8	7 41.5	0.13 3245	3251	18 12.6
12	15 39 9.64	2 7.64	18 23 3.3	7 34.8	0.12 9994	3274	18 10.8
13	15 41 17.28	2 7.30	18 30 38.1	7 28.2	0.12 6720	3299	18 9.0
14	15 43 24.58	2 6.96	18 38 6.3	7 21.5	0.12 3421	3324	18 7.1
15	15 45 31.54	2 6.58	18 45 27.8	7 14.9	0.12 0097	3348	18 5.3
16	15 47 38.12	2 6.20	−18 52 42.7	7 8.3	0.11 6749	3373	18 3.5
17	15 49 44.32	2 5.80	18 59 51.0	7 1.6	0.11 3376	3398	18 1.6
18	15 51 50.12	2 5.38	19 6 52.6	6 55.0	0.10 9978	3423	17 59.8
19	15 53 55.50	2 4.94	19 13 47.6	6 48.4	0.10 6555	3448	17 57.9
20	15 56 0.44	2 4.47	19 20 36.0	6 41.8	0.10 3107	3473	17 56.1
21	15 58 4.91	2 3.99	19 27 17.8	6 35.2	0.09 9634	3498	17 54.2
22	16 0 8.90	2 3.49	−19 33 53.0	6 28.7	0.09 6136	3524	17 52.3
23	16 2 12.39	2 2.96	19 40 21.7	6 22.1	0.09 2612	3549	17 50.4
24	16 4 15.35	2 2.42	19 46 43.8	6 15.6	0.08 9063	3574	17 48.5
25	16 6 17.77	2 1.86	19 52 59.4	6 9.2	0.08 5489	3599	17 46.6
26	16 8 19.63	2 1.28	19 59 8.6	6 2.8	0.08 1890	3624	17 44.7
27	16 10 20.91	2 0.67	20 5 11.4	5 56.4	0.07 8266	3650	17 42.8
28	16 12 21.58	2 0.06	−20 11 7.8	5 50.0	0.07 4616	3675	17 40.8
März 1	16 14 21.64	1 59.42	20 16 57.8	5 43.8	0.07 0941	3699	17 38.9
2	16 16 21.06	1 58.75	20 22 41.6	5 37.6	0.06 7242	3725	17 36.9
3	16 18 19.81	1 58.07	20 28 19.2	5 31.4	0.06 3517	3749	17 35.0
4	16 20 17.88	1 57.38	20 33 50.6	5 25.2	0.05 9768	3775	17 33.0
5	16 22 15.26	1 56.67	20 39 15.8	5 19.3	0.05 5993	3799	17 31.0
6	16 24 11.93	1 55.93	−20 44 35.1	5 13.3	0.05 2194	3824	17 29.0
7	16 26 7.86	1 55.18	20 49 48.4	5 7.5	0.04 8370	3849	17 27.0
8	16 28 3.04	1 54.40	20 54 55.9	5 1.6	0.04 4521	3874	17 24.9
9	16 29 57.44	1 53.60	20 59 57.5	4 55.9	0.04 0647	3899	17 22.9
10	16 31 51.04	1 52.80	21 4 53.4	4 50.3	0.03 6748	3923	17 20.8
11	16 33 43.84	1 51.96	21 9 43.7	4 44.7	0.03 2825	3949	17 18.8
12	16 35 35.80	1 51.10	−21 14 28.4	4 39.3	0.02 8876	3975	17 16.7
13	16 37 26.90	1 50.21	21 19 7.7	4 34.0	0.02 4901	4000	17 14.6
14	16 39 17.11	1 49.30	21 23 41.7	4 28.8	0.02 0901	4025	17 12.5
15	16 41 6.41	1 48.35	21 28 10.5	4 23.6	0.01 6876	4051	17 10.4
16	16 42 54.76	1 47.37	21 32 34.1	4 18.5	0.01 2825	4077	17 8.2
17	16 44 42.13	1 46.36	21 36 52.6	4 13.5	0.00 8748	4103	17 6.0
18	16 46 28.49	1 45.31	−21 41 6.1	4 8.7	0.00 4645	4128	17 3.9
19	16 48 13.80	1 44.23	21 45 14.8	4 3.9	0.00 0517	4154	17 1.7
20	16 49 58.03	1 43.10	21 49 18.7	3 59.4	9.99 6363	4179	16 59.5
21	16 51 41.13	1 41.95	21 53 18.1	3 54.8	9.99 2184	4205	16 57.2
22	16 53 23.08	1 40.77	21 57 12.9	3 50.5	9.98 7979	4230	16 55.0
23	16 55 3.85		22 1 3.4		9.98 3749		16 52.7

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′ ″)	Diff. (′ ″)	log Δ	Diff.	Obere Kulmination in Greenwich (h m)
1922							
März 23	16 55 3.85	1 39.54	−22 1 3.4	3 46.2	9.98 3749	4255	16 52.7
24	16 56 43.39	1 38.27	22 4 49.6	3 42.0	9.97 9494	4279	16 50.4
25	16 58 21.66	1 36.97	22 8 31.6	3 38.0	9.97 5215	4304	16 48.1
26	16 59 58.63	1 35.62	22 12 9.6	3 34.1	9.97 0911	4327	16 45.8
27	17 1 34.25	1 34.27	22 15 43.7	3 30.4	9.96 6584	4351	16 43.4
28	17 3 8.52	1 32.85	22 19 14.1	3 26.8	9.96 2233	4374	16 41.0
29	17 4 41.37	1 31.40	−22 22 40.9	3 23.3	9.95 7859	4396	16 38.6
30	17 6 12.77	1 29.92	22 26 4.2	3 20.0	9.95 3463	4419	16 36.2
31	17 7 42.69	1 28.41	22 29 24.2	3 16.8	9.94 9044	4440	16 33.7
April 1	17 9 11.10	1 26.86	22 32 41.0	3 13.8	9.94 4604	4462	16 31.2
2	17 10 37.96	1 25.27	22 35 54.8	3 10.9	9.94 0142	4482	16 28.7
3	17 12 3.23	1 23.64	22 39 5.7	3 8.2	9.93 5660	4502	16 26.2
4	17 13 26.87	1 21.98	−22 42 13.9	3 5.7	9.93 1158	4522	16 23.6
5	17 14 48.85	1 20.29	22 45 19.6	3 3.4	9.92 6636	4541	16 21.0
6	17 16 9.14	1 18.55	22 48 23.0	3 1.2	9.92 2095	4560	16 18.4
7	17 17 27.69	1 16.79	22 51 24.2	2 59.1	9.91 7535	4578	16 15.7
8	17 18 44.48	1 14.97	22 54 23.3	2 57.3	9.91 2957	4596	16 13.1
9	17 19 59.45	1 13.12	22 57 20.6	2 55.7	9.90 8361	4613	16 10.4
10	17 21 12.57	1 11.22	−23 0 16.3	2 54.1	9.90 3748	4630	16 7.6
11	17 22 23.79	1 9.27	23 3 10.4	2 52.8	9.89 9118	4646	16 4.9
12	17 23 33.06	1 7.27	23 6 3.2	2 51.7	9.89 4472	4662	16 2.1
13	17 24 40.33	1 5.22	23 8 54.9	2 50.6	9.88 9810	4676	15 59.2
14	17 25 45.55	1 3.11	23 11 45.6	2 49.9	9.88 5134	4691	15 56.3
15	17 26 48.66	1 0.95	23 14 35.5	2 49.2	9.88 0443	4704	15 53.4
16	17 27 49.61	0 58.73	−23 17 24.7	2 48.7	9.87 5739	4716	15 50.5
17	17 28 48.34	0 56.45	23 20 13.4	2 48.4	9.87 1023	4727	15 47.5
18	17 29 44.79	0 54.11	23 23 1.8	2 48.3	9.86 6296	4736	15 44.5
19	17 30 38.90	0 51.71	23 25 50.1	2 48.3	9.86 1560	4744	15 41.4
20	17 31 30.61	0 49.27	23 28 38.4	2 48.5	9.85 6816	4752	15 38.3
21	17 32 19.88	0 46.77	23 31 26.9	2 48.7	9.85 2064	4756	15 35.2
22	17 33 6.65	0 44.21	−23 34 15.6	2 49.1	9.84 7308	4760	15 32.0
23	17 33 50.86	0 41.59	23 37 4.7	2 49.7	9.84 2548	4762	15 28.8
24	17 34 32.45	0 38.93	23 39 54.4	2 50.3	9.83 7786	4761	15 25.5
25	17 35 11.38	0 36.21	23 42 44.7	2 51.1	9.83 3025	4760	15 22.2
26	17 35 47.59	0 33.44	23 45 35.8	2 51.8	9.82 8265	4755	15 18.8
27	17 36 21.03	0 30.63	23 48 27.6	2 53.0	9.82 3510	4748	15 15.4
28	17 36 51.66	0 27.77	−23 51 20.6	2 54.0	9.81 8762	4740	15 12.0
29	17 37 19.43	0 24.86	23 54 14.6	2 55.2	9.81 4022	4729	15 8.5
30	17 37 44.29	0 21.93	23 57 9.8	2 56.5	9.80 9293	4715	15 4.9
Mai 1	17 38 6.22	0 18.94	24 0 6.3	2 57.7	9.80 4578	4700	15 1.3
2	17 38 25.16	0 15.92	24 3 4.0	2 59.1	9.79 9878	4681	14 57.7
3	17 38 41.08		24 6 3.1		9.79 5197		14 54.0

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Mai 3	17 38 41.08	0 12.87	−24 6 3.1	3 0.4	9.79 5197	4660	14 54.0
4	17 38 53.95	0 9.79	24 9 3.5	3 1.8	9.79 0537	4637	14 50.2
5	17 39 3.74	0 6.66	24 12 5.3	3 3.2	9.78 5900	4611	14 46.4
6	17 39 10.40	0 3.52	24 15 8.5	3 4.6	9.78 1289	4581	14 42.6
7	17 39 13.92	0 0.34	24 18 13.1	3 6.0	9.77 6708	4551	14 38.7
8	17 39 14.26	0 2.89	24 21 19.1	3 7.3	9.77 2157	4515	14 34.7
9	17 39 11.37	0 6.12	−24 24 26.4	3 8.6	9.76 7642	4479	14 30.7
10	17 39 5.25	0 9.41	24 27 35.0	3 9.9	9.76 3163	4438	14 26.6
11	17 38 55.84	0 12.69	24 30 44.9	3 11.1	9.75 8725	4394	14 22.5
12	17 38 43.15	0 16.03	24 33 56.0	3 12.0	9.75 4331	4346	14 18.3
13	17 38 27.12	0 19.38	24 37 8.0	3 12.9	9.74 9985	4296	14 14.1
14	17 38 7.74	0 22.75	24 40 20.9	3 13.6	9.74 5689	4241	14 9.8
15	17 37 44.99	0 26.12	−24 43 34.5	3 14.1	9.74 1448	4181	14 5.5
16	17 37 18.87	0 29.51	24 46 48.6	3 14.4	9.73 7267	4119	14 1.1
17	17 36 49.36	0 32.87	24 50 3.0	3 14.5	9.73 3148	4052	13 56.6
18	17 36 16.49	0 36.24	24 53 17.5	3 14.2	9.72 9096	3980	13 52.1
19	17 35 40.25	0 39.60	24 56 31.7	3 13.6	9.72 5116	3904	13 47.5
20	17 35 0.65	0 42.89	24 59 45.3	3 12.9	9.72 1212	3824	13 42.9
21	17 34 17.76	0 46.16	−25 2 58.2	3 11.7	9.71 7388	3739	13 38.2
22	17 33 31.60	0 49.39	25 6 9.9	3 10.3	9.71 3649	3649	13 33.5
23	17 32 42.21	0 52.54	25 9 20.2	3 8.4	9.71 0000	3554	13 28.7
24	17 31 49.67	0 55.62	25 12 28.6	3 6.2	9.70 6446	3456	13 23.9
25	17 30 54.05	0 58.65	25 15 34.8	3 3.6	9.70 2990	3352	13 19.0
26	17 29 55.40	1 1.54	25 18 38.4	3 0.6	9.69 9638	3244	13 14.1
27	17 28 53.86	1 4.33	−25 21 39.0	2 57.1	9.69 6394	3131	13 9.1
28	17 27 49.53	1 7.03	25 24 36.1	2 53.6	9.69 3263	3015	13 4.1
29	17 26 42.50	1 9.57	25 27 29.7	2 49.5	9.69 0248	2895	12 59.0
30	17 25 32.93	1 11.99	25 30 19.2	2 45.0	9.68 7353	2770	12 53.9
31	17 24 20.94	1 14.27	25 33 4.2	2 40.2	9.68 4583	2643	12 48.8
Juni 1	17 23 6.67	1 16.39	25 35 44.4	2 35.2	9.68 1940	2511	12 43.6
2	17 21 50.28	1 18.37	−25 38 19.6	2 29.6	9.67 9429	2377	12 38.4
3	17 20 31.91	1 20.16	25 40 49.2	2 24.1	9.67 7052	2240	12 33.2
4	17 19 11.75	1 21.79	25 43 13.3	2 18.1	9.67 4812	2100	12 27.9
5	17 17 49.96	1 23.27	25 45 31.4	2 11.9	9.67 2712	1958	12 22.6
6	17 16 26.69	1 24.56	25 47 43.3	2 5.5	9.67 0754	1814	12 17.3
7	17 15 2.13	1 25.67	25 49 48.8	1 58.9	9.66 8940	1668	12 11.9
8	17 13 36.46	1 26.61	−25 51 47.7	1 51.9	9.66 7272	1520	12 6.6
9	17 12 9.85	1 27.35	25 53 39.6	1 45.2	9.66 5752	1370	12 1.2
10	17 10 42.50	1 27.93	25 55 24.8	1 38.1	9.66 4382	1219	11 55.8
11	17 9 14.57	1 28.28	25 57 2.9	1 30.9	9.66 3163	1066	11 50.4
12	17 7 46.29	1 28.45	25 58 33.8	1 23.7	9.66 2097	914	11 45.0
13	17 6 17.84		25 59 57.5		9.66 1183		11 39.6

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
Juni 13	17 6 17.84	1 28.40	−25 59 57.5	1 16.6	9.66 1183	759	11 39.6
14	17 4 49.44	1 28.15	26 1 14.1	1 9.3	9.66 0424	606	11 34.2
15	17 3 21.29	1 27.70	26 2 23.4	1 2.4	9.65 9818	452	11 28.8
16	17 1 53.59	1 27.04	26 3 25.8	0 55.4	9.65 9366	297	11 23.4
17	17 0 26.55	1 26.19	26 4 21.2	0 48.6	9.65 9069	145	11 18.1
18	16 59 0.36	1 25.14	26 5 9.8	0 42.0	9.65 8924	8	11 12.7
19	16 57 35.22	1 23.87	−26 5 51.8	0 35.6	9.65 8932	160	11 7.4
20	16 56 11.35	1 22.39	26 6 27.4	0 29.5	9.65 9092	308	11 2.1
21	16 54 48.96	1 20.72	26 6 56.9	0 23.7	9.65 9400	457	10 56.8
22	16 53 28.24	1 18.82	26 7 20.6	0 18.4	9.65 9857	602	10 51.6
23	16 52 9.42	1 16.77	26 7 39.0	0 13.4	9.66 0459	745	10 46.3
24	16 50 52.65	1 14.52	26 7 52.4	0 8.6	9.66 1204	885	10 41.1
25	16 49 38.13	1 12.11	−26 8 1.0	0 4.6	9.66 2089	1022	10 36.0
26	16 48 26.02	1 9.52	26 8 5.6	0 0.8	9.66 3111	1155	10 30.9
27	16 47 16.50	1 6.78	26 8 6.4	0 2.4	9.66 4266	1285	10 25.8
28	16 46 9.72	1 3.90	26 8 4.0	0 5.2	9.66 5551	1410	10 20.8
29	16 45 5.82	1 0.91	26 7 58.8	0 7.5	9.66 6961	1532	10 15.8
30	16 44 4.91	0 57.77	26 7 51.3	0 9.2	9.66 8493	1649	10 10.9
Juli 1	16 43 7.14	0 54.56	−26 7 42.1	0 10.6	9.67 0142	1761	10 6.1
2	16 42 12.58	0 51.23	26 7 31.5	0 11.3	9.67 1903	1870	10 1.3
3	16 41 21.35	0 47.85	26 7 20.2	0 11.9	9.67 3773	1975	9 56.5
4	16 40 33.50	0 44.39	26 7 8.3	0 11.8	9.67 5748	2073	9 51.8
5	16 39 49.11	0 40.89	26 6 56.5	0 11.4	9.67 7821	2169	9 47.1
6	16 39 8.22	0 37.33	26 6 45.1	0 10.7	9.67 9990	2260	9 42.5
7	16 38 30.89	0 33.72	−26 6 34.4	0 9.6	9.68 2250	2347	9 38.0
8	16 37 57.17	0 30.10	26 6 24.8	0 8.1	9.68 4597	2430	9 33.6
9	16 37 27.07	0 26.44	26 6 16.7	0 6.6	9.68 7027	2509	9 29.2
10	16 37 0.63	0 22.75	26 6 10.1	0 4.5	9.68 9536	2584	9 24.8
11	16 36 37.88	0 19.06	26 6 5.6	0 2.4	9.69 2120	2656	9 20.5
12	16 36 18.82	0 15.35	26 6 3.2	0 0.1	9.69 4776	2724	9 16.3
13	16 36 3.47	0 11.64	−26 6 3.3	0 2.7	9.69 7500	2789	9 12.1
14	16 35 51.83	0 7.91	26 6 6.0	0 5.4	9.70 0289	2849	9 8.0
15	16 35 43.92	0 4.19	26 6 11.4	0 8.4	9.70 3138	2907	9 4.0
16	16 35 39.73	0 0.47	26 6 19.8	0 11.5	9.70 6045	2960	9 0.0
17	16 35 39.26	0 3.24	26 6 31.3	0 14.6	9.70 9005	3012	8 56.1
18	16 35 42.50	0 6.96	26 6 45.9	0 18.0	9.71 2017	3059	8 52.2
19	16 35 49.46	0 10.64	−26 7 3.9	0 21.3	9.71 5076	3104	8 48.4
20	16 36 0.10	0 14.32	26 7 25.2	0 24.7	9.71 8180	3145	8 44.7
21	16 36 14.42	0 17.96	26 7 49.9	0 28.1	9.72 1325	3184	8 41.0
22	16 36 32.38	0 21.61	26 8 18.0	0 31.6	9.72 4509	3219	8 37.4
23	16 36 53.99	0 25.23	26 8 49.6	0 35.0	9.72 7728	3252	8 33.9
24	16 37 19.22		26 9 24.6		9.73 0980		8 30.4

Tag		0^h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922		h m s	m s	° ′ ″	′ ″			h m
Juli	24	16 37 19.22	0 28.80	−26 9 24.6	0 38.5	9.73 0980	3281	8 30.4
	25	16 37 48.02	0 32.34	26 10 3.1	0 41.8	9.73 4261	3307	8 27.0
	26	16 38 20.36	0 35.87	26 10 44.9	0 45.1	9.73 7568	3331	8 23.6
	27	16 38 56.23	0 39.31	26 11 30.0	0 48.4	9.74 0899	3352	8 20.3
	28	16 39 35.54	0 42.74	26 12 18.4	0 51.6	9.74 4251	3371	8 17.0
	29	16 40 18.28	0 46.12	26 13 10.0	0 54.5	9.74 7622	3387	8 13.8
	30	16 41 4.40	0 49.41	−26 14 4.5	0 57.4	9.75 1009	3401	8 10.7
	31	16 41 53.81	0 52.67	26 15 1.9	1 0.0	9.75 4410	3412	8 7.6
Aug.	1	16 42 46.48	0 55.86	26 16 1.9	1 2.5	9.75 7822	3422	8 4.5
	2	16 43 42.34	0 58.98	26 17 4.4	1 4.8	9.76 1244	3431	8 1.5
	3	16 44 41.32	1 2.07	26 18 9.2	1 6.9	9.76 4675	3437	7 58.6
	4	16 45 43.39	1 5.08	26 19 16.1	1 8.6	9.76 8112	3442	7 55.7
	5	16 46 48.47	1 8.03	−26 20 24.7	1 10.2	9.77 1554	3445	7 52.9
	6	16 47 56.50	1 10.93	26 21 34.9	1 11.4	9.77 4999	3449	7 50.1
	7	16 49 7.43	1 13.79	26 22 46.3	1 12.5	9.77 8448	3450	7 47.4
	8	16 50 21.22	1 16.58	26 23 58.8	1 13.3	9.78 1898	3450	7 44.7
	9	16 51 37.80	1 19.33	26 25 12.1	1 13.8	9.78 5348	3450	7 42.0
	10	16 52 57.13	1 22.03	26 26 25.9	1 14.1	9.78 8798	3448	7 39.4
	11	16 54 19.16	1 24.68	−26 27 40.0	1 13.9	9.79 2246	3447	7 36.8
	12	16 55 43.84	1 27.27	26 28 53.9	1 13.6	9.79 5693	3443	7 34.3
	13	16 57 11.11	1 29.84	26 30 7.5	1 12.9	9.79 9136	3440	7 31.8
	14	16 58 40.95	1 32.34	26 31 20.4	1 12.0	9.80 2576	3435	7 29.4
	15	17 0 13.29	1 34.80	26 32 32.4	1 10.8	9.80 6011	3431	7 27.0
	16	17 1 48.09	1 37.25	26 33 43.2	1 9.3	9.80 9442	3424	7 24.7
	17	17 3 25.34	1 39.62	−26 34 52.5	1 7.7	9.81 2866	3419	7 22.4
	18	17 5 4.96	1 41.97	26 36 0.2	1 5.5	9.81 6285	3412	7 20.1
	19	17 6 46.93	1 44.28	26 37 5.7	1 3.2	9.81 9697	3404	7 17.9
	20	17 8 31.21	1 46.57	26 38 8.9	1 0.6	9.82 3101	3396	7 15.7
	21	17 10 17.78	1 48.80	26 39 9.5	0 57.7	9.82 6497	3387	7 13.6
	22	17 12 6.58	1 50.98	26 40 7.2	0 54.6	9.82 9884	3378	7 11.4
	23	17 13 57.56	1 53.15	−26 41 1.8	0 51.2	9.83 3262	3367	7 9.4
	24	17 15 50.71	1 55.25	26 41 53.0	0 47.5	9.83 6629	3357	7 7.3
	25	17 17 45.96	1 57.30	26 42 40.5	0 43.5	9.83 9986	3345	7 5.3
	26	17 19 43.26	1 59.32	26 43 24.0	0 39.3	9.84 3331	3333	7 3.3
	27	17 21 42.58	2 1.28	26 44 3.3	0 34.7	9.84 6664	3320	7 1.4
	28	17 23 43.86	2 3.19	26 44 38.0	0 30.0	9.84 9984	3308	6 59.5
	29	17 25 47.05	2 5.05	−26 45 8.0	0 24.9	9.85 3292	3295	6 57.6
	30	17 27 52.10	2 6.86	26 45 32.9	0 19.7	9.85 6587	3282	6 55.8
	31	17 29 58.96	2 8.65	26 45 52.6	0 13.9	9.85 9869	3268	6 54.0
Sept.	1	17 32 7.61	2 10.35	26 46 6.5	0 8.0	9.86 3137	3255	6 52.2
	2	17 34 17.96	2 12.02	26 46 14.5	0 1.8	9.86 6392	3242	6 50.4
	3	17 36 29.98		26 46 16.3		9.86 9634		6 48.7

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′ ″)	Diff. (′ ″)	log Δ	Diff.	Obere Kulmination in Greenwich (h m)
1922 Sept. 3	17 36 29.98	2 13.65	−26 46 16.3	0 4.6	9.86 9634	3228	6 48.7
4	17 38 43.63	2 15.26	26 46 11.7	0 11.4	9.87 2862	3215	6 47.0
5	17 40 58.89	2 16.79	26 46 0.3	0 18.4	9.87 6077	3201	6 45.3
6	17 43 15.68	2 18.30	26 45 41.9	0 25.6	9.87 9278	3189	6 43.6
7	17 45 33.98	2 19.78	26 45 16.3	0 33.0	9.88 2467	3175	6 42.0
8	17 47 53.76	2 21.23	26 44 43.3	0 40.8	9.88 5642	3162	6 40.4
9	17 50 14.99	2 22.61	−26 44 2.5	0 48.8	9.88 8804	3150	6 38.8
10	17 52 37.60	2 23.98	26 43 13.7	0 57.0	9.89 1954	3136	6 37.2
11	17 55 1.58	2 25.31	26 42 16.7	1 5.4	9.89 5090	3124	6 35.7
12	17 57 26.89	2 26.62	26 41 11.3	1 14.1	9.89 8214	3112	6 34.2
13	17 59 53.51	2 27.88	26 39 57.2	1 22.9	9.90 1326	3100	6 32.7
14	18 2 21.39	2 29.13	26 38 34.3	1 32.0	9.90 4426	3087	6 31.2
15	18 4 50.52	2 30.34	−26 37 2.3	1 41.4	9.90 7513	3074	6 29.8
16	18 7 20.86	2 31.53	26 35 20.9	1 50.8	9.91 0587	3063	6 28.4
17	18 9 52.39	2 32.69	26 33 30.1	2 0.4	9.91 3650	3050	6 27.0
18	18 12 25.08	2 33.81	26 31 29.7	2 10.3	9.91 6700	3039	6 25.6
19	18 14 58.89	2 34.92	26 29 19.4	2 20.4	9.91 9739	3025	6 24.2
20	18 17 33.81	2 35.97	26 26 59.0	2 30.5	9.92 2764	3013	6 22.8
21	18 20 9.78	2 37.03	−26 24 28.5	2 40.8	9.92 5777	3001	6 21.5
22	18 22 46.81	2 38.02	26 21 47.7	2 51.3	9.92 8778	2987	6 20.2
23	18 25 24.83	2 38.99	26 18 56.4	3 1.9	9.93 1765	2975	6 18.9
24	18 28 3.82	2 39.91	26 15 54.5	3 12.8	9.93 4740	2962	6 17.6
25	18 30 43.73	2 40.82	26 12 41.7	3 23.6	9.93 7702	2949	6 16.3
26	18 33 24.55	2 41.66	26 9 18.1	3 34.7	9.94 0651	2936	6 15.1
27	18 36 6.21	2 42.49	−26 5 43.4	3 45.8	9.94 3587	2923	6 13.8
28	18 38 48.70	2 43.26	26 1 57.6	3 57.0	9.94 6510	2910	6 12.6
29	18 41 31.96	2 44.01	25 58 0.6	4 8.3	9.94 9420	2898	6 11.4
30	18 44 15.97	2 44.73	25 53 52.3	4 19.9	9.95 2318	2886	6 10.2
Okt. 1	18 47 0.70	2 45.41	25 49 32.4	4 31.5	9.95 5204	2873	6 9.0
2	18 49 46.11	2 46.05	25 45 0.9	4 43.1	9.95 8077	2861	6 7.8
3	18 52 32.16	2 46.67	−25 40 17.8	4 54.9	9.96 0938	2850	6 6.6
4	18 55 18.83	2 47.26	25 35 22.9	5 6.7	9.96 3788	2838	6 5.5
5	18 58 6.09	2 47.82	25 30 16.2	5 18.7	9.96 6626	2826	6 4.3
6	19 0 53.91	2 48.34	25 24 57.5	5 30.8	9.96 9452	2816	6 3.2
7	19 3 42.25	2 48.85	25 19 26.7	5 42.8	9.97 2268	2805	6 2.0
8	19 6 31.10	2 49.33	25 13 43.9	5 54.9	9.97 5073	2795	6 0.9
9	19 9 20.43	2 49.79	−25 7 49.0	6 7.2	9.97 7868	2784	5 59.8
10	19 12 10.22	2 50.23	25 1 41.8	6 19.3	9.98 0652	2774	5 58.7
11	19 15 0.45	2 50.63	24 55 22.5	6 31.7	9.98 3426	2764	5 57.6
12	19 17 51.08	2 51.02	24 48 50.8	6 44.0	9.98 6190	2754	5 56.5
13	19 20 42.10	2 51.40	24 42 6.8	6 56.3	9.98 8944	2744	5 55.4
14	19 23 33.50		24 35 10.5		9.99 1688		5 54.3

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Okt. 14	19 23 33.50	2 51.74	−24 35 10.5	7 8.7	9.99 1688	2735	5 54.3
15	19 26 25.24	2 52.08	24 28 1.8	7 21.1	9.99 4423	2725	5 53.2
16	19 29 17.32	2 52.39	24 20 40.7	7 33.5	9.99 7148	2716	5 52.1
17	19 32 9.71	2 52.68	24 13 7.2	7 45.8	9.99 9864	2706	5 51.1
18	19 35 2.39	2 52.95	24 5 21.4	7 58.3	0.00 2570	2696	5 50.0
19	19 37 55.34	2 53.21	23 57 23.1	8 10.6	0.00 5266	2687	5 49.0
20	19 40 48.55	2 53.45	−23 49 12.5	8 22.9	0.00 7953	2678	5 47.9
21	19 43 42.00	2 53.66	23 40 49.6	8 35.3	0.01 0631	2667	5 46.9
22	19 46 35.66	2 53.84	23 32 14.3	8 47.5	0.01 3298	2658	5 45.8
23	19 49 29.50	2 54.00	23 23 26.8	8 59.7	0.01 5956	2648	5 44.8
24	19 52 23.50	2 54.14	23 14 27.1	9 11.9	0.01 8604	2638	5 43.7
25	19 55 17.64	2 54.26	23 5 15.2	9 24.0	0.02 1242	2629	5 42.7
26	19 58 11.90	2 54.34	−22 55 51.2	9 36.0	0.02 3871	2618	5 41.6
27	20 1 6.24	2 54.42	22 46 15.2	9 48.0	0.02 6489	2609	5 40.6
28	20 4 0.66	2 54.46	22 36 27.2	9 59.9	0.02 9098	2599	5 39.6
29	20 6 55.12	2 54.49	22 26 27.3	10 11.7	0.03 1697	2590	5 38.5
30	20 9 49.61	2 54.50	22 16 15.6	10 23.5	0.03 4287	2581	5 37.5
31	20 12 44.11	2 54.50	22 5 52.1	10 35.2	0.03 6868	2572	5 36.5
Nov. 1	20 15 38.61	2 54.46	−21 55 16.9	10 46.7	0.03 9440	2563	5 35.4
2	20 18 33.07	2 54.41	21 44 30.2	10 58.3	0.04 2003	2554	5 34.4
3	20 21 27.48	2 54.36	21 33 31.9	11 9.7	0.04 4557	2546	5 33.4
4	20 24 21.84	2 54.28	21 22 22.2	11 21.0	0.04 7103	2538	5 32.3
5	20 27 16.12	2 54.20	21 11 1.2	11 32.2	0.04 9641	2529	5 31.3
6	20 30 10.32	2 54.11	20 59 29.0	11 43.4	0.05 2170	2521	5 30.3
7	20 33 4.43	2 54.00	−20 47 45.6	11 54.4	0.05 4691	2514	5 29.2
8	20 35 58.43	2 53.87	20 35 51.2	12 5.3	0.05 7205	2505	5 28.2
9	20 38 52.30	2 53.75	20 23 45.9	12 16.1	0.05 9710	2498	5 27.1
10	20 41 46.05	2 53.61	20 11 29.8	12 26.8	0.06 2208	2491	5 26.1
11	20 44 39.66	2 53.47	19 59 3.0	12 37.5	0.06 4699	2483	5 25.0
12	20 47 33.13	2 53.33	19 46 25.5	12 47.9	0.06 7182	2475	5 24.0
13	20 50 26.46	2 53.19	−19 33 37.6	12 58.3	0.06 9657	2468	5 22.9
14	20 53 19.65	2 53.02	19 20 39.3	13 8.6	0.07 2125	2461	5 21.9
15	20 56 12.67	2 52.85	19 7 30.7	13 18.7	0.07 4586	2453	5 20.8
16	20 59 5.52	2 52.69	18 54 12.0	13 28.7	0.07 7039	2446	5 19.8
17	21 1 58.21	2 52.51	18 40 43.3	13 38.5	0.07 9485	2438	5 18.7
18	21 4 50.72	2 52.33	18 27 4.8	13 48.2	0.08 1923	2430	5 17.6
19	21 7 43.05	2 52.14	−18 13 16.6	13 57.9	0.08 4353	2422	5 16.6
20	21 10 35.19	2 51.94	17 59 18.7	14 7.1	0.08 6775	2414	5 15.5
21	21 13 27.13	2 51.72	17 45 11.6	14 16.4	0.08 9189	2406	5 14.4
22	21 16 18.85	2 51.51	17 30 55.2	14 25.4	0.09 1595	2398	5 13.3
23	21 19 10.36	2 51.28	17 16 29.8	14 34.4	0.09 3993	2390	5 12.2
24	21 22 1.64		17 1 55.4		0.09 6383		5 11.2

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
Nov. 24	21 22 1.64	2 51.04	−17 1 55.4	14 43.1	0.09 6383	2382	5 11.2
25	21 24 52.68	2 50.80	16 47 12.3	14 51.7	0.09 8765	2374	5 10.1
26	21 27 43.48	2 50.55	16 32 20.6	15 0.0	0.10 1139	2367	5 9.0
27	21 30 34.03	2 50.29	16 17 20.6	15 8.3	0.10 3506	2358	5 7.9
28	21 33 24.32	2 50.04	16 2 12.3	15 16.3	0.10 5864	2350	5 6.8
29	21 36 14.36	2 49.77	15 46 56.0	15 24.2	0.10 8214	2343	5 5.7
30	21 39 4.13	2 49.49	−15 31 31.8	15 32.0	0.11 0557	2335	5 4.5
Dez. 1	21 41 53.62	2 49.22	15 15 59.8	15 39.5	0.11 2892	2327	5 3.4
2	21 44 42.84	2 48.95	15 0 20.3	15 46.9	0.11 5219	2320	5 2.3
3	21 47 31.79	2 48.67	14 44 33.4	15 54.2	0.11 7539	2313	5 1.2
4	21 50 20.46	2 48.39	14 28 39.2	16 1.2	0.11 9852	2306	5 0.0
5	21 53 8.85	2 48.12	14 12 38.0	16 8.1	0.12 2158	2298	4 58.9
6	21 55 56.97	2 47.85	−13 56 29.9	16 14.8	0.12 4456	2291	4 57.8
7	21 58 44.82	2 47.57	13 40 15.1	16 21.4	0.12 6747	2285	4 56.6
8	22 1 32.39	2 47.30	13 23 53.7	16 27.9	0.12 9032	2277	4 55.5
9	22 4 19.69	2 47.04	13 7 25.8	16 34.1	0.13 1309	2271	4 54.3
10	22 7 6.73	2 46.77	12 50 51.7	16 40.2	0.13 3580	2263	4 53.2
11	22 9 53.50	2 46.51	12 34 11.5	16 46.2	0.13 5843	2257	4 52.0
12	22 12 40.01	2 46.26	−12 17 25.3	16 51.9	0.13 8100	2250	4 50.8
13	22 15 26.27	2 46.01	12 0 33.4	16 57.6	0.14 0350	2242	4 49.7
14	22 18 12.28	2 45.77	11 43 35.8	17 3.0	0.14 2592	2236	4 48.5
15	22 20 58.05	2 45.53	11 26 32.8	17 8.4	0.14 4828	2229	4 47.3
16	22 23 43.58	2 45.29	11 9 24.4	17 13.4	0.14 7057	2221	4 46.1
17	22 26 28.87	2 45.07	10 52 11.0	17 18.4	0.14 9278	2213	4 44.9
18	22 29 13.94	2 44.82	−10 34 52.6	17 23.2	0.15 1491	2206	4 43.7
19	22 31 58.76	2 44.59	10 17 29.4	17 27.7	0.15 3697	2198	4 42.5
20	22 34 43.35	2 44.36	10 0 1.7	17 32.2	0.15 5895	2190	4 41.3
21	22 37 27.71	2 44.12	9 42 29.5	17 36.3	0.15 8085	2183	4 40.1
22	22 40 11.83	2 43.90	9 24 53.2	17 40.3	0.16 0268	2175	4 38.9
23	22 42 55.73	2 43.67	9 7 12.9	17 44.1	0.16 2443	2166	4 37.7
24	22 45 39.40	2 43.44	− 8 49 28.8	17 47.9	0.16 4609	2159	4 36.5
25	22 48 22.84	2 43.21	8 31 40.9	17 51.3	0.16 6768	2151	4 35.3
26	22 51 6.05	2 42.99	8 13 49.6	17 54.6	0.16 8919	2143	4 34.1
27	22 53 49.04	2 42.78	7 55 55.0	17 57.7	0.17 1062	2136	4 32.8
28	22 56 31.82	2 42.55	7 37 57.3	18 0.8	0.17 3198	2127	4 31.6
29	22 59 14.37	2 42.33	7 19 56.5	18 3.5	0.17 5325	2120	4 30.4
30	23 1 56.70	2 42.13	− 7 1 53.0	18 6.1	0.17 7445	2112	4 29.1
31	23 4 38.83	2 41.92	6 43 46.9	18 8.5	0.17 9557	2104	4 27.9
32	23 7 20.75		6 25 38.4		0.18 1661		4 26.7

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	s	° ′ ″	′ ″			h m
Jan. 1	13 5 42.85	42.37	−5 35 11.4	3 50.7	0.73 9030	2552	18 21.5
3	13 6 25.22	40.03	5 39 2.1	3 35.6	0.73 6478	2574	18 14.4
5	13 7 5.25	37.63	5 42 37.7	3 20.1	0.73 3904	2593	18 7.2
7	13 7 42.88	35.19	5 45 57.8	3 4.5	0.73 1311	2611	17 59.9
9	13 8 18.07	32.71	5 49 2.3	2 48.7	0.72 8700	2626	17 52.6
11	13 8 50.78	30.19	5 51 51.0	2 32.7	0.72 6074	2638	17 45.3
13	13 9 20.97	27.63	−5 54 23.7	2 16.7	0.72 3436	2647	17 37.9
15	13 9 48.60	25.03	5 56 40.4	2 0.4	0.72 0789	2655	17 30.5
17	13 10 13.63	22.38	5 58 40.8	1 43.8	0.71 8134	2659	17 23.0
19	13 10 36.01	19.68	6 0 24.6	1 27.0	0.71 5475	2660	17 15.5
21	13 10 55.69	16.95	6 1 51.6	1 10.2	0.71 2815	2658	17 8.0
23	13 11 12.64	14.19	6 3 1.8	0 53.2	0.71 0157	2652	17 0.4
25	13 11 26.83	11.38	−6 3 55.0	0 35.9	0.70 7505	2643	16 52.7
27	13 11 38.21	8.56	6 4 30.9	0 18.8	0.70 4862	2629	16 45.0
29	13 11 46.77	5.73	6 4 49.7	0 1.6	0.70 2233	2612	16 37.3
31	13 11 52.50	2.89	6 4 51.3	0 15.6	0.69 9621	2592	16 29.5
Febr. 2	13 11 55.39	0.05	6 4 35.7	0 32.8	0.69 7029	2566	16 21.7
4	13 11 55.44	2.79	6 4 2.9	0 50.0	0.69 4463	2537	16 13.8
6	13 11 52.65	5.62	−6 3 12.9	1 7.0	0.69 1926	2505	16 5.9
8	13 11 47.03	8.45	6 2 5.9	1 23.8	0.68 9421	2467	15 57.9
10	13 11 38.58	11.23	6 0 42.1	1 40.6	0.68 6954	2427	15 49.9
12	13 11 27.35	14.02	5 59 1.5	1 57.2	0.68 4527	2383	15 41.8
14	13 11 13.33	16.78	5 57 4.3	2 13.6	0.68 2144	2333	15 33.7
16	13 10 56.55	19.52	5 54 50.7	2 29.8	0.67 9811	2281	15 25.5
18	13 10 37.03	22.23	−5 52 20.9	2 45.7	0.67 7530	2224	15 17.3
20	13 10 14.80	24.90	5 49 35.2	3 1.4	0.67 5306	2162	15 9.1
22	13 9 49.90	27.50	5 46 33.8	3 16.8	0.67 3144	2095	15 0.8
24	13 9 22.40	30.05	5 43 17.0	3 31.6	0.67 1049	2025	14 52.5
26	13 8 52.35	32.51	5 39 45.4	3 46.0	0.66 9024	1949	14 44.1
28	13 8 19.84	34.91	5 35 59.4	3 59.8	0.66 7075	1870	14 35.7
März 2	13 7 44.93	37.20	−5 31 59.6	4 13.0	0.66 5205	1787	14 27.2
4	13 7 7.73	39.40	5 27 46.6	4 25.7	0.66 3418	1699	14 18.7
6	13 6 28.33	41.48	5 23 20.9	4 37.7	0.66 1719	1608	14 10.2
8	13 5 46.85	43.46	5 18 43.2	4 48.9	0.66 0111	1514	14 1.6
10	13 5 3.39	45.33	5 13 54.3	4 59.4	0.65 8597	1417	13 53.0
12	13 4 18.06	47.07	5 8 54.9	5 9.2	0.65 7180	1316	13 44.4
14	13 3 30.99	48.70	−5 3 45.7	5 18.2	0.65 5864	1213	13 35.8
16	13 2 42.29	50.22	4 58 27.5	5 26.5	0.65 4651	1106	13 27.1
18	13 1 52.07	51.59	4 53 1.0	5 34.0	0.65 3545	998	13 18.4
20	13 1 0.48	52.83	4 47 27.0	5 40.5	0.65 2547	885	13 9.7
22	13 0 7.65	53.93	4 41 46.5	5 45.9	0.65 1662	772	13 0.9
24	12 59 13.72		4 36 0.6		0.65 0890		12 52.2

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	s	° ′ ″	′ ″			h m
März 24	12 59 13.72	54.86	−4 36 0.6	5 50.6	0.65 0890	656	12 52.2
26	12 58 18.86	55.64	4 30 10.0	5 54.1	0.65 0234	538	12 43.4
28	12 57 23.22	56.26	4 24 15.9	5 56.8	0.64 9696	419	12 34.6
30	12 56 26.96	56.69	4 18 19.1	5 58.2	0.64 9277	299	12 25.8
April 1	12 55 30.27	56.97	4 12 20.9	5 58.7	0.64 8978	179	12 17.0
3	12 54 33.30	57.08	4 6 22.2	5 58.1	0.64 8799	59	12 8.2
5	12 53 36.22	57.03	−4 0 24.1	5 56.5	0.64 8740	62	11 59.4
7	12 52 39.19	56.82	3 54 27.6	5 53.9	0.64 8802	181	11 50.6
9	12 51 42.37	56.46	3 48 33.7	5 50.2	0.64 8983	298	11 41.8
11	12 50 45.91	55.93	3 42 43.5	5 45.8	0.64 9281	416	11 33.0
13	12 49 49.98	55.29	3 36 57.7	5 40.4	0.64 9697	533	11 24.2
15	12 48 54.69	54.48	3 31 17.3	5 33.9	0.65 0230	647	11 15.4
17	12 48 0.21	53.54	−3 25 43.4	5 26.7	0.65 0877	760	11 6.6
19	12 47 6.67	52.45	3 20 16.7	5 18.4	0.65 1637	871	10 57.9
21	12 46 14.22	51.22	3 14 58.3	5 9.4	0.65 2508	980	10 49.2
23	12 45 23.00	49.84	3 9 48.9	4 59.4	0.65 3488	1086	10 40.4
25	12 44 33.16	48.34	3 4 49.5	4 48.7	0.65 4574	1190	10 31.8
27	12 43 44.82	46.71	3 0 0.8	4 37.2	0.65 5764	1291	10 23.1
29	12 42 58.11	44.95	−2 55 23.6	4 24.9	0.65 7055	1387	10 14.5
Mai 1	12 42 13.16	43.08	2 50 58.7	4 12.0	0.65 8442	1481	10 5.9
3	12 41 30.08	41.11	2 46 46.7	3 58.5	0.65 9923	1570	9 57.3
5	12 40 48.97	39.05	2 42 48.2	3 44.4	0.66 1493	1656	9 48.8
7	12 40 9.92	36.92	2 39 3.8	3 29.8	0.66 3149	1738	9 40.3
9	12 39 33.00	34.71	2 35 34.0	3 14.8	0.66 4887	1815	9 31.8
11	12 38 58.29	32.45	−2 32 19.2	2 59.5	0.66 6702	1889	9 23.4
13	12 38 25.84	30.10	2 29 19.7	2 43.8	0.66 8591	1959	9 15.0
15	12 37 55.74	27.72	2 26 35.9	2 27.8	0.67 0550	2026	9 6.6
17	12 37 28.02	25.27	2 24 8.1	2 11.4	0.67 2576	2088	8 58.3
19	12 37 2.75	22.78	2 21 56.7	1 54.7	0.67 4664	2146	8 50.0
21	12 36 39.97	20.23	2 20 2.0	1 37.9	0.67 6810	2201	8 41.8
23	12 36 19.74	17.65	−2 18 24.1	1 20.9	0.67 9011	2252	8 33.6
25	12 36 2.09	15.04	2 17 3.2	1 3.7	0.68 1263	2299	8 25.4
27	12 35 47.05	12.40	2 15 59.5	0 46.4	0.68 3562	2340	8 17.4
29	12 35 34.65	9.73	2 15 13.1	0 29.0	0.68 5902	2379	8 9.3
31	12 35 24.92	7.07	2 14 44.1	0 11.7	0.68 8281	2413	8 1.3
Juni 2	12 35 17.85	4.40	2 14 32.4	0 5.7	0.69 0694	2443	7 53.3
4	12 35 13.45	1.75	−2 14 38.1	0 22.9	0.69 3137	2469	7 45.4
6	12 35 11.70	0.90	2 15 1.0	0 39.9	0.69 5606	2492	7 37.5
8	12 35 12.60	3.52	2 15 40.9	0 56.9	0.69 8098	2511	7 29.6
10	12 35 16.12	6.15	2 16 37.8	1 13.7	0.70 0609	2527	7 21.8
12	12 35 22.27	8.74	2 17 51.5	1 30.4	0.70 3136	2541	7 14.1
14	12 35 31.01		2 19 21.9		0.70 5677		7 6.4

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′ ″)	Diff. (′ ″)	log Δ	Diff.	Obere Kulmination in Greenwich (h m)
1922							
Juni 14	12 35 31.01	0 11.33	−2 19 21.9	1 47.0	0.70 5677	2551	7 6.4
16	12 35 42.34	0 13.90	2 21 8.9	2 3.3	0.70 8228	2558	6 58.7
18	12 35 56.24	0 16.44	2 23 12.2	2 19.5	0.71 0786	2562	6 51.1
20	12 36 12.68	0 18.97	2 25 31.7	2 35.5	0.71 3348	2563	6 43.5
22	12 36 31.65	0 21.49	2 28 7.2	2 51.3	0.71 5911	2562	6 35.9
24	12 36 53.14	0 23.96	2 30 58.5	3 6.9	0.71 8473	2557	6 28.4
26	12 37 17.10	0 26.41	−2 34 5.4	3 22.2	0.72 1030	2550	6 21.0
28	12 37 43.51	0 28.82	2 37 27.6	3 37.2	0.72 3580	2539	6 13.6
30	12 38 12.33	0 31.17	2 41 4.8	3 51.8	0.72 6119	2527	6 6.2
Juli 2	12 38 43.50	0 33.50	2 44 56.6	4 6.2	0.72 8646	2511	5 58.8
4	12 39 17.00	0 35.76	2 49 2.8	4 20.2	0.73 1157	2495	5 51.5
6	12 39 52.76	0 37.99	2 53 23.0	4 33.9	0.73 3652	2475	5 44.3
8	12 40 30.75	0 40.17	−2 57 56.9	4 47.3	0.73 6127	2455	5 37.0
10	12 41 10.92	0 42.32	3 2 44.2	5 0.4	0.73 8582	2432	5 29.8
12	12 41 53.24	0 44.43	3 7 44.6	5 13.2	0.74 1014	2407	5 22.7
14	12 42 37.67	0 46.50	3 12 57.8	5 25.7	0.74 3421	2382	5 15.6
16	12 43 24.17	0 48.53	3 18 23.5	5 37.9	0.74 5803	2354	5 8.5
18	12 44 12.70	0 50.52	3 24 1.4	5 49.7	0.74 8157	2325	5 1.4
20	12 45 3.22	0 52.48	−3 29 51.1	6 1.4	0.75 0482	2294	4 54.4
22	12 45 55.70	0 54.40	3 35 52.5	6 12.7	0.75 2776	2262	4 47.4
24	12 46 50.10	0 56.27	3 42 5.2	6 23.6	0.75 5038	2227	4 40.5
26	12 47 46.37	0 58.10	3 48 28.8	6 34.2	0.75 7265	2192	4 33.5
28	12 48 44.47	0 59.88	3 55 3.0	6 44.5	0.75 9457	2154	4 26.6
30	12 49 44.35	1 1.60	4 1 47.5	6 54.4	0.76 1611	2116	4 19.8
Aug. 1	12 50 45.95	1 3.28	−4 8 41.9	7 3.9	0.76 3727	2077	4 12.9
3	12 51 49.23	1 4.91	4 15 45.8	7 13.1	0.76 5804	2037	4 6.1
5	12 52 54.14	1 6.50	4 22 58.9	7 21.9	0.76 7841	1996	3 59.3
7	12 54 0.64	1 8.05	4 30 20.8	7 30.5	0.76 9837	1954	3 52.6
9	12 55 8.69	1 9.56	4 37 51.3	7 38.7	0.77 1791	1912	3 45.8
11	12 56 18.25	1 11.04	4 45 30.0	7 46.8	0.77 3703	1868	3 39.1
13	12 57 29.29	1 12.48	−4 53 16.8	7 54.3	0.77 5571	1824	3 32.4
15	12 58 41.77	1 13.89	5 1 11.1	8 1.7	0.77 7395	1779	3 25.8
17	12 59 55.66	1 15.25	5 9 12.8	8 8.7	0.77 9174	1733	3 19.2
19	13 1 10.91	1 16.60	5 17 21.5	8 15.6	0.78 0907	1686	3 12.5
21	13 2 27.51	1 17.88	5 25 37.1	8 22.0	0.78 2593	1638	3 5.9
23	13 3 45.39	1 19.14	5 33 59.1	8 28.1	0.78 4231	1590	2 59.4
25	13 5 4.53	1 20.33	−5 42 27.2	8 33.9	0.78 5821	1540	2 52.8
27	13 6 24.86	1 21.49	5 51 1.1	8 39.4	0.78 7361	1490	2 46.3
29	13 7 46.35	1 22.61	5 59 40.5	8 44.4	0.78 8851	1440	2 39.8
31	13 9 8.96	1 23.69	6 8 24.9	8 49.3	0.79 0291	1389	2 33.3
Sept. 2	13 10 32.65	1 24.73	6 17 14.2	8 53.8	0.79 1680	1338	2 26.8
4	13 11 57.38		6 26 8.0		0.79 3018		2 20.3

Jupiter 1922

Tag	Scheinbare Rektaszension (0h mittlere Zeit Greenwich)		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	m s	° ′ ″	′ ″			h m
Sept. 4	13 11 57.38	1 25.74	−6 26 8.0	8 58.0	0.79 3018	1287	2 20.3
6	13 13 23.12	1 26.71	6 35 6.0	9 2.0	0.79 4305	1235	2 13.9
8	13 14 49.83	1 27.65	6 44 8.0	9 5.7	0.79 5540	1183	2 7.5
10	13 16 17.48	1 28.55	6 53 13.7	9 9.0	0.79 6723	1131	2 1.1
12	13 17 46.03	1 29.44	7 2 22.7	9 12.1	0.79 7854	1077	1 54.7
14	13 19 15.47	1 30.27	7 11 34.8	9 15.0	0.79 8931	1024	1 48.3
16	13 20 45.74	1 31.10	−7 20 49.8	9 17.7	0.79 9955	970	1 41.9
18	13 22 16.84	1 31.87	7 30 7.5	9 19.9	0.80 0925	915	1 35.6
20	13 23 48.71	1 32.61	7 39 27.4	9 21.9	0.80 1840	860	1 29.3
22	13 25 21.32	1 33.30	7 48 49.3	9 23.7	0.80 2700	805	1 22.9
24	13 26 54.62	1 33.95	7 58 13.0	9 25.1	0.80 3505	748	1 16.6
26	13 28 28.57	1 34.57	8 7 38.1	9 26.1	0.80 4253	693	1 10.3
28	13 30 3.14	1 35.14	−8 17 4.2	9 26.9	0.80 4946	636	1 4.0
30	13 31 38.28	1 35.69	8 26 31.1	9 27.4	0.80 5582	581	0 57.7
Okt. 2	13 33 13.97	1 36.20	8 35 58.5	9 27.7	0.80 6163	524	0 51.4
4	13 34 50.17	1 36.67	8 45 26.2	9 27.8	0.80 6687	468	0 45.2
6	13 36 26.84	1 37.11	8 54 54.0	9 27.6	0.80 7155	411	0 38.9
8	13 38 3.95	1 37.53	9 4 21.6	9 27.0	0.80 7566	355	0 32.7
10	13 39 41.48	1 37.91	−9 13 48.6	9 26.4	0.80 7921	298	0 26.4
12	13 41 19.39	1 38.26	9 23 15.0	9 25.4	0.80 8219	240	0 20.2
14	13 42 57.65	1 38.58	9 32 40.4	9 24.2	0.80 8459	183	0 13.9
16	13 44 36.23	1 38.86	9 42 4.6	9 22.7	0.80 8642	124	0 7.7
18	13 46 15.09	1 39.10	9 51 27.3	9 21.0	0.80 8766	66	0 1.5 / 23 58.4
20	13 47 54.19	1 39.29	10 0 48.3	9 18.9	0.80 8832	8	23 52.2
22	13 49 33.48	1 39.44	−10 10 7.2	9 16.7	0.80 8840	50	23 45.9
24	13 51 12.92	1 39.55	10 19 23.9	9 14.1	0.80 8790	110	23 39.7
26	13 52 52.47	1 39.62	10 28 38.0	9 11.3	0.80 8680	168	23 33.5
28	13 54 32.09	1 39.65	10 37 49.3	9 8.1	0.80 8512	226	23 27.3
30	13 56 11.74	1 39.64	10 46 57.4	9 4.9	0.80 8286	285	23 21.1
Nov. 1	13 57 51.38	1 39.60	10 56 2.3	9 1.4	0.80 8001	342	23 14.9
3	13 59 30.98	1 39.52	−11 5 3.7	8 57.6	0.80 7659	401	23 8.7
5	14 1 10.50	1 39.40	11 14 1.3	8 53.6	0.80 7258	459	23 2.5
7	14 2 49.90	1 39.26	11 22 54.9	8 49.4	0.80 6799	518	22 56.2
9	14 4 29.16	1 39.07	11 31 44.3	8 45.0	0.80 6281	576	22 50.0
11	14 6 8.23	1 38.85	11 40 29.3	8 40.5	0.80 5705	634	22 43.8
13	14 7 47.08	1 38.56	11 49 9.8	8 35.6	0.80 5071	693	22 37.6
15	14 9 25.64	1 38.25	−11 57 45.4	8 30.5	0.80 4378	752	22 31.4
17	14 11 3.89	1 37.87	12 6 15.9	8 25.2	0.80 3626	810	22 25.1
19	14 12 41.76	1 37.45	12 14 41.1	8 19.6	0.80 2816	869	22 18.8
21	14 14 19.21	1 36.99	12 23 0.7	8 13.8	0.80 1947	928	22 12.6
23	14 15 56.20	1 36.45	12 31 14.5	8 7.6	0.80 1019	985	22 6.3
25	14 17 32.65		12 39 22.1		0.80 0034		22 0.1

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	m s	° ′ ″	′ ″			h m
Nov. 25	14 17 32.65	1 35.89	−12 39 22.1	8 1.5	0.80 0034	1042	22 0.1
27	14 19 8.54	1 35.28	12 47 23.6	7 55.0	0.79 8992	1100	21 53.8
29	14 20 43.82	1 34.62	12 55 18.6	7 48.4	0.79 7892	1157	21 47.5
Dez. 1	14 22 18.44	1 33.92	13 3 7.0	7 41.5	0.79 6735	1213	21 41.2
3	14 23 52.36	1 33.18	13 10 48.5	7 34.6	0.79 5522	1269	21 34.9
5	14 25 25.54	1 32.40	13 18 23.1	7 27.4	0.79 4253	1325	21 28.6
7	14 26 57.94	1 31.55	−13 25 50.5	7 20.0	0.79 2928	1381	21 22.2
9	14 28 29.49	1 30.66	13 33 10.5	7 12.4	0.79 1547	1436	21 15.9
11	14 30 0.15	1 29.72	13 40 22.9	7 4.7	0.79 0111	1492	21 9.5
13	14 31 29.87	1 28.72	13 47 27.6	6 56.8	0.78 8619	1546	21 3.1
15	14 32 58.59	1 27.66	13 54 24.4	6 48.6	0.78 7073	1601	20 56.7
17	14 34 26.25	1 26.53	14 1 13.0	6 40.3	0.78 5472	1654	20 50.3
19	14 35 52.78	1 25.35	−14 7 53.3	6 31.8	0.78 3818	1708	20 43.9
21	14 37 18.13	1 24.11	14 14 25.1	6 23.0	0.78 2110	1759	20 37.4
23	14 38 42.24	1 22.81	14 20 48.1	6 14.2	0.78 0351	1811	20 31.0
25	14 40 5.05	1 21.46	14 27 2.3	6 5.1	0.77 8540	1861	20 24.5
27	14 41 26.51	1 20.05	14 33 7.4	5 56.0	0.77 6679	1911	20 17.9
29	14 42 46.56	1 18.59	14 39 3.4	5 46.6	0.77 4768	1959	20 11.4
31	14 44 5.15	(0 38.73)	−14 44 50.0	(2 49.8)	0.77 2809	(998)	20 4.8
32	14 44 43.88		14 47 39.8		0.77 1811		20 1.5

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	s	° ′ ″	′ ″			h m
Jan. 1	12 30 48.89	12.58	—0 46 53.2	0 43.9	0.97 3810	1530	17 46.6
3	12 31 1.47	11.02	0 47 37.1	0 33.6	0.97 2280	1532	17 38.9
5	12 31 12.49	9.44	0 48 10.7	0 23.3	0.97 0748	1530	17 31.2
7	12 31 21.93	7.87	0 48 34.0	0 13.1	0.96 9218	1527	17 23.5
9	12 31 29.80	6.28	0 48 47.1	0 2.9	0.96 7691	1521	17 15.7
11	12 31 36.08	4.69	0 48 50.0	0 7.3	0.96 6170	1514	17 7.9
13	12 31 40.77	3.10	—0 48 42.7	0 17.5	0.96 4656	1506	17 0.2
15	12 31 43.87	1.51	0 48 25.2	0 27.8	0.96 3150	1495	16 52.4
17	12 31 45.38	0.08	0 47 57.4	0 37.8	0.96 1655	1481	16 44.5
19	12 31 45.30	1.69	0 47 19.6	0 47.9	0.96 0174	1467	16 36.6
21	12 31 43.61	3.28	0 46 31.7	0 57.9	0.95 8707	1450	16 28.7
23	12 31 40.33	4.87	0 45 33.8	1 7.9	0.95 7257	1430	16 20.8
25	12 31 35.46	6.45	—0 44 25.9	1 17.7	0.95 5827	1409	16 12.8
27	12 31 29.01	8.01	0 43 8.2	1 27.3	0.95 4418	1385	16 4.9
29	12 31 21.00	9.55	0 41 40.9	1 36.8	0.95 3033	1358	15 56.9
31	12 31 11.45	11.08	0 40 4.1	1 46.1	0.95 1675	1330	15 48.8
Febr. 2	12 31 0.37	12.57	0 38 18.0	1 55.1	0.95 0345	1300	15 40.8
4	12 30 47.80	14.04	0 36 22.9	2 3.9	0.94 9045	1267	15 32.7
6	12 30 33.76	15.47	—0 34 19.0	2 12.5	0.94 7778	1232	15 24.6
8	12 30 18.29	16.86	0 32 6.5	2 20.8	0.94 6546	1196	15 16.5
10	12 30 1.43	18.22	0 29 45.7	2 28.9	0.94 5350	1157	15 8.3
12	12 29 43.21	19.55	0 27 16.8	2 36.6	0.94 4193	1117	15 0.1
14	12 29 23.66	20.85	0 24 40.2	2 44.1	0.94 3076	1075	14 52.0
16	12 29 2.81	22.09	0 21 56.1	2 51.3	0.94 2001	1031	14 43.7
18	12 28 40.72	23.31	—0 19 4.8	2 58.0	0.94 0970	985	14 35.5
20	12 28 17.41	24.47	0 16 6.8	3 4.6	0.93 9985	938	14 27.3
22	12 27 52.94	25.58	0 13 2.2	3 10.6	0.93 9047	887	14 19.0
24	12 27 27.36	26.64	0 9 51.6	3 16.4	0.93 8160	836	14 10.7
26	12 27 0.72	27.62	0 6 35.2	3 21.6	0.93 7324	783	14 2.4
28	12 26 33.10	28.55	—0 3 13.6	3 26.5	0.93 6541	729	13 54.0
März 2	12 26 4.55	29.42	+0 0 12.9	3 30.8	0.93 5812	672	13 45.7
4	12 25 35.13	30.22	0 3 43.7	3 34.7	0.93 5140	616	13 37.4
6	12 25 4.91	30.94	0 7 18.4	3 38.1	0.93 4524	558	13 29.0
8	12 24 33.97	31.60	0 10 56.5	3 41.1	0.93 3966	498	13 20.6
10	12 24 2.37	32.19	0 14 37.6	3 43.6	0.93 3468	439	13 12.2
12	12 23 30.18	32.71	0 18 21.2	3 45.6	0.93 3029	379	13 3.8
14	12 22 57.47	33.16	+0 22 6.8	3 47.1	0.93 2650	317	12 55.4
16	12 22 24.31	33.55	0 25 53.9	3 48.3	0.93 2333	256	12 47.0
18	12 21 50.76	33.87	0 29 42.2	3 48.8	0.93 2077	194	12 38.6
20	12 21 16.89	34.11	0 33 31.0	3 49.0	0.93 1883	131	12 30.1
22	12 20 42.78	34.28	0 37 20.0	3 48.6	0.93 1752	68	12 21.7
24	12 20 8.50		0 41 8.6		0.93 1684		12 13.3

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	s	° ′ ″	′ ″			h m
März 24	12 20 8.50	34.37	+0 41 8.6	3 47.7	0.93 1684	5	12 13.3
26	12 19 34.13	34.37	0 44 56.3	3 46.3	0.93 1679	59	12 4.8
28	12 18 59.76	34.31	0 48 42.6	3 44.4	0.93 1738	121	11 56.4
30	12 18 25.45	34.16	0 52 27.0	3 42.0	0.93 1859	184	11 48.0
April 1	12 17 51.29	33.93	0 56 9.0	3 39.1	0.93 2043	246	11 39.5
3	12 17 17.36	33.64	0 59 48.1	3 35.7	0.93 2289	308	11 31.1
5	12 16 43.72	33.26	+1 3 23.8	3 32.0	0.93 2597	368	11 22.7
7	12 16 10.46	32.82	1 6 55.8	3 27.6	0.93 2965	428	11 14.3
9	12 15 37.64	32.31	1 10 23.4	3 23.1	0.93 3393	487	11 5.9
11	12 15 5.33	31.75	1 13 46.5	3 17.8	0.93 3880	545	10 57.5
13	12 14 33.58	31.12	1 17 4.3	3 12.5	0.93 4425	602	10 49.1
15	12 14 2.46	30.42	1 20 16.8	3 6.7	0.93 5027	657	10 40.7
17	12 13 32.04	29.67	+1 23 23.5	3 0.5	0.93 5684	712	10 32.4
19	12 13 2.37	28.86	1 26 24.0	2 54.0	0.93 6396	765	10 24.0
21	12 12 33.51	27.97	1 29 18.0	2 47.1	0.93 7161	818	10 15.7
23	12 12 5.54	27.05	1 32 5.1	2 39.8	0.93 7979	867	10 7.3
25	12 11 38.49	26.05	1 34 44.9	2 32.2	0.93 8846	917	9 59.0
27	12 11 12.44	25.02	1 37 17.1	2 24.4	0.93 9763	964	9 50.8
29	12 10 47.42	23.91	+1 39 41.5	2 16.2	0.94 0727	1009	9 42.5
Mai 1	12 10 23.51	22.78	1 41 57.7	2 7.9	0.94 1736	1053	9 34.2
3	12 10 0.73	21.59	1 44 5.6	1 59.3	0.94 2789	1094	9 26.0
5	12 9 39.14	20.38	1 46 4.9	1 50.4	0.94 3883	1134	9 17.8
7	12 9 18.76	19.12	1 47 55.3	1 41.5	0.94 5017	1172	9 9.6
9	12 8 59.64	17.84	1 49 36.8	1 32.3	0.94 6189	1207	9 1.4
11	12 8 41.80	16.53	+1 51 9.1	1 23.1	0.94 7396	1241	8 53.2
13	12 8 25.27	15.20	1 52 32.2	1 13.7	0.94 8637	1273	8 45.1
15	12 8 10.07	13.84	1 53 45.9	1 4.2	0.94 9910	1304	8 37.0
17	12 7 56.23	12.45	1 54 50.1	0 54.5	0.95 1214	1332	8 28.9
19	12 7 43.78	11.05	1 55 44.6	0 44.8	0.95 2546	1358	8 20.8
21	12 7 32.73	9.61	1 56 29.4	0 35.0	0.95 3904	1383	8 12.8
23	12 7 23.12	8.16	+1 57 4.4	0 25.1	0.95 5287	1405	8 4.8
25	12 7 14.96	6.69	1 57 29.5	0 15.2	0.95 6692	1426	7 56.8
27	12 7 8.27	5.22	1 57 44.7	0 5.2	0.95 8118	1445	7 48.8
29	12 7 3.05	3.73	1 57 49.9	0 4.7	0.95 9563	1461	7 40.9
31	12 6 59.32	2.23	1 57 45.2	0 14.7	0.96 1024	1475	7 32.9
Juni 2	12 6 57.09	0.74	1 57 30.5	0 24.6	0.96 2499	1488	7 25.0
4	12 6 56.35	0.75	+1 57 5.9	0 34.5	0.96 3987	1498	7 17.2
6	12 6 57.10	2.23	1 56 31.4	0 44.2	0.96 5485	1507	7 9.3
8	12 6 59.33	3.71	1 55 47.2	0 53.9	0.96 6992	1513	7 1.5
10	12 7 3.04	5.19	1 54 53.3	1 3.6	0.96 8505	1519	6 53.7
12	12 7 8.23	6.65	1 53 49.7	1 13.2	0.97 0024	1523	6 45.9
14	12 7 14.88		1 52 36.5		0.97 1547		6 38.2

Tag		0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922		h m s	s	° ′ ″	′ ″			h m
Juni	14	12 7 14.88	8.13	+1 52 36.5	1 22.7	0.97 1547	1525	6 38.2
	16	12 7 23.01	9.59	1 51 13.8	1 32.2	0.97 3072	1525	6 30.4
	18	12 7 32.60	11.03	1 49 41.6	1 41.5	0.97 4597	1524	6 22.8
	20	12 7 43.63	12.48	1 48 0.1	1 50.8	0.97 6121	1522	6 15.1
	22	12 7 56.11	13.92	1 46 9.3	1 59.8	0.97 7643	1517	6 7.4
	24	12 8 10.03	15.34	1 44 9.5	2 8.9	0.97 9160	1511	5 59.8
	26	12 8 25.37	16.74	+1 42 0.6	2 17.7	0.98 0671	1503	5 52.2
	28	12 8 42.11	18.13	1 39 42.9	2 26.5	0.98 2174	1494	5 44.6
	30	12 9 0.24	19.49	1 37 16.4	2 35.1	0.98 3668	1483	5 37.0
Juli	2	12 9 19.73	20.84	1 34 41.3	2 43.5	0.98 5151	1471	5 29.5
	4	12 9 40.57	22.15	1 31 57.8	2 51.7	0.98 6622	1458	5 22.0
	6	12 10 2.72	23.45	1 29 6.1	2 59.7	0.98 8080	1443	5 14.5
	8	12 10 26.17	24.72	+1 26 6.4	3 7.6	0.98 9523	1428	5 7.0
	10	12 10 50.89	25.98	1 22 58.8	3 15.3	0.99 0951	1410	4 59.6
	12	12 11 16.87	27.21	1 19 43.5	3 23.0	0.99 2361	1393	4 52.1
	14	12 11 44.08	28.43	1 16 20.5	3 30.3	0.99 3754	1374	4 44.7
	16	12 12 12.51	29.61	1 12 50.2	3 37.6	0.99 5128	1354	4 37.3
	18	12 12 42.12	30.79	1 9 12.6	3 44.6	0.99 6482	1333	4 30.0
	20	12 13 12.91	31.94	+1 5 28.0	3 51.6	0.99 7815	1310	4 22.6
	22	12 13 44.85	33.06	1 1 36.4	3 58.3	0.99 9125	1287	4 15.3
	24	12 14 17.91	34.15	0 57 38.1	4 4.8	1.00 0412	1262	4 8.0
	26	12 14 52.06	35.23	0 53 33.3	4 11.2	1.00 1674	1237	4 0.7
	28	12 15 27.29	36.27	0 49 22.1	4 17.2	1.00 2911	1211	3 53.4
	30	12 16 3.56	37.27	0 45 4.9	4 23.2	1.00 4122	1183	3 46.1
Aug.	1	12 16 40.83	38.26	+0 40 41.7	4 28.8	1.00 5305	1155	3 38.9
	3	12 17 19.09	39.20	0 36 12.9	4 34.3	1.00 6460	1126	3 31.7
	5	12 17 58.29	40.12	0 31 38.6	4 39.6	1.00 7586	1097	3 24.5
	7	12 18 38.41	41.00	0 26 59.0	4 44.7	1.00 8683	1067	3 17.3
	9	12 19 19.41	41.88	0 22 14.3	4 49.6	1.00 9750	1036	3 10.1
	11	12 20 1.29	42.75	0 17 24.7	4 54.4	1.01 0786	1005	3 2.9
	13	12 20 44.04	43.56	+0 12 30.3	4 58.8	1.01 1791	973	2 55.8
	15	12 21 27.60	44.35	0 7 31.5	5 3.3	1.01 2764	940	2 48.6
	17	12 22 11.95	45.11	+0 2 28.2	5 7.3	1.01 3704	907	2 41.5
	19	12 22 57.06	45.85	−0 2 39.1	5 11.4	1.01 4611	873	2 34.4
	21	12 23 42.91	46.56	0 7 50.5	5 15.0	1.01 5484	838	2 27.3
	23	12 24 29.47	47.24	0 13 5.5	5 18.6	1.01 6322	802	2 20.2
	25	12 25 16.71	47.88	−0 18 24.1	5 21.9	1.01 7124	767	2 13.1
	27	12 26 4.59	48.49	0 23 46.0	5 25.0	1.01 7891	731	2 6.0
	29	12 26 53.08	49.06	0 29 11.0	5 27.8	1.01 8622	694	1 59.0
	31	12 27 42.14	49.61	0 34 38.8	5 30.4	1.01 9316	657	1 51.9
Sept.	2	12 28 31.75	50.14	0 40 9.2	5 32.8	1.01 9973	619	1 44.9
	4	12 29 21.89		0 45 42.0		1.02 0592		1 37.8

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	s	° ′ ″	′ ″			h m
Sept. 4	12 29 21.89	50.63	−0 45 42.0	5 35.1	1.02 0592	582	1 37.8
6	12 30 12.52	51.09	0 51 17.1	5 37.2	1.02 1174	545	1 30.8
8	12 31 3.61	51.53	0 56 54.3	5 39.0	1.02 1719	506	1 23.8
10	12 31 55.14	51.93	1 2 33.3	5 40.6	1.02 2225	467	1 16.8
12	12 32 47.07	52.32	1 8 13.9	5 42.0	1.02 2692	428	1 9.8
14	12 33 39.39	52.67	1 13 55.9	5 43.3	1.02 3120	389	1 2.8
16	12 34 32.06	53.00	−1 19 39.2	5 44.4	1.02 3509	350	0 55.8
18	12 35 25.06	53.28	1 25 23.6	5 45.2	1.02 3859	310	0 48.8
20	12 36 18.34	53.54	1 31 8.8	5 45.8	1.02 4169	269	0 41.8
22	12 37 11.88	53.77	1 36 54.6	5 46.1	1.02 4438	229	0 34.9
24	12 38 5.65	53.95	1 42 40.7	5 46.3	1.02 4667	188	0 27.9
26	12 38 59.60	54.10	1 48 27.0	5 46.1	1.02 4855	147	0 20.9
28	12 39 53.70	54.23	−1 54 13.1	5 45.9	1.02 5002	106	0 14.0
30	12 40 47.93	54.32	1 59 59.0	5 45.3	1.02 5108	66	0 7.0
Okt. 2	12 41 42.25	54.38	2 5 44.3	5 44.7	1.02 5174	25	{ 0 0.0 23 56.5
4	12 42 36.63	54.41	2 11 29.0	5 43.6	1.02 5199	−16	23 49.6
6	12 43 31.04	54.42	2 17 12.6	5 42.7	1.02 5183	56	23 42.6
8	12 44 25.46	54.39	2 22 55.3	5 41.2	1.02 5127	98	23 35.7
10	12 45 19.85	54.33	−2 28 36.5	5 39.8	1.02 5029	138	23 28.7
12	12 46 14.18	54.24	2 34 16.3	5 37.9	1.02 4891	179	23 21.8
14	12 47 8.42	54.13	2 39 54.2	5 36.1	1.02 4712	221	23 14.8
16	12 48 2.55	53.97	2 45 30.3	5 33.9	1.02 4491	261	23 7.8
18	12 48 56.52	53.78	2 51 4.2	5 31.6	1.02 4230	303	23 0.8
20	12 49 50.30	53.56	2 56 35.8	5 28.9	1.02 3927	344	22 53.8
22	12 50 43.86	53.29	−3 2 4.7	5 26.1	1.02 3583	384	22 46.9
24	12 51 37.15	52.98	3 7 30.8	5 22.9	1.02 3199	425	22 39.9
26	12 52 30.13	52.66	3 12 53.7	5 19.8	1.02 2774	466	22 32.9
28	12 53 22.79	52.28	3 18 13.5	5 16.2	1.02 2308	505	22 25.9
30	12 54 15.07	51.89	3 23 29.7	5 12.6	1.02 1803	544	22 18.9
Nov. 1	12 55 6.96	51.45	3 28 42.3	5 8.6	1.02 1259	584	22 11.9
3	12 55 58.41	50.99	−3 33 50.9	5 4.5	1.02 0675	623	22 4.9
5	12 56 49.40	50.49	3 38 55.4	5 0.3	1.02 0052	662	21 57.9
7	12 57 39.89	49.97	3 43 55.7	4 55.9	1.01 9390	699	21 50.9
9	12 58 29.86	49.41	3 48 51.6	4 51.1	1.01 8691	738	21 43.8
11	12 59 19.27	48.81	3 53 42.7	4 46.3	1.01 7953	776	21 36.7
13	13 0 8.08	48.18	3 58 29.0	4 41.1	1.01 7177	812	21 29.7
15	13 0 56.26	47.51	−4 3 10.1	4 35.9	1.01 6365	850	21 22.6
17	13 1 43.77	46.79	4 7 46.0	4 30.3	1.01 5515	887	21 15.6
19	13 2 30.56	46.05	4 12 16.3	4 24.6	1.01 4628	922	21 8.5
21	13 3 16.61	45.26	4 16 40.9	4 18.5	1.01 3706	957	21 1.3
23	13 4 1.87	44.44	4 20 59.4	4 12.4	1.01 2749	991	20 54.2
25	13 4 46.31		4 25 11.8		1.01 1758		20 47.1

Saturn 1922

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	s	° ′ ″	′ ″			h m
Nov. 25	13 4 46.31	43.58	−4 25 11.8	4 6.1	1.01 1758	1025	20 47.1
27	13 5 29.89	42.70	4 29 17.9	3 59.6	1.01 0733	1057	20 40.0
29	13 6 12.59	41.77	4 33 17.5	3 52.9	1.00 9676	1089	20 32.8
Dez. 1	13 6 54.36	40.82	4 37 10.4	3 46.0	1.00 8587	1120	20 25.6
3	13 7 35.18	39.84	4 40 56.4	3 39.0	1.00 7467	1151	20 18.4
5	13 8 15.02	38.83	4 44 35.4	3 31.9	1.00 6316	1180	20 11.2
7	13 8 53.85	37.78	−4 48 7.3	3 24.4	1.00 5136	1208	20 4.0
9	13 9 31.63	36.70	4 51 31.7	3 16.9	1.00 3928	1237	19 56.7
11	13 10 8.33	35.58	4 54 48.6	3 9.1	1.00 2691	1263	19 49.5
13	13 10 43.91	34.43	4 57 57.7	3 1.2	1.00 1428	1289	19 42.2
15	13 11 18.34	33.23	5 0 58.9	2 53.2	1.00 0139	1314	19 34.9
17	13 11 51.57	32.01	5 3 52.1	2 44.9	0.99 8825	1337	19 27.6
19	13 12 23.58	30.76	−5 6 37.0	2 36.6	0.99 7488	1360	19 20.2
21	13 12 54.34	29.47	5 9 13.6	2 28.0	0.99 6128	1380	19 12.8
23	13 13 23.81	28.16	5 11 41.6	2 19.3	0.99 4748	1399	19 5.5
25	13 13 51.97	26.82	5 14 0.9	2 10.6	0.99 3349	1418	18 58.1
27	13 14 18.79	25.45	5 16 11.5	2 1.6	0.99 1931	1434	18 50.6
29	13 14 44.24	24.08	5 18 13.1	1 52.7	0.99 0497	1449	18 43.2
31	13 15 8.32	(11.51)	−5 20 5.8	(0 52.9)	0.98 9048	(730)	18 35.7
32	13 15 19.83		5 20 58.7		0.98 8318		18 32.0

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	s	° ′ ″	′ ″			h m
Jan. 1	22 34 37.16	17.11	−9 46 42.3	1 44.9	1.31 3930	601	3 52.6
3	22 34 54.27	17.69	9 44 57.4	1 48.3	1.31 4531	586	3 45.0
5	22 35 11.96	18.25	9 43 9.1	1 51.5	1.31 5117	570	3 37.4
7	22 35 30.21	18.79	9 41 17.6	1 54.7	1.31 5687	554	3 29.8
9	22 35 49.00	19.31	9 39 22.9	1 57.7	1.31 6241	537	3 22.3
11	22 36 8.31	19.81	9 37 25.2	2 0.7	1.31 6778	520	3 14.7
13	22 36 28.12	20.30	−9 35 24.5	2 3.5	1.31 7298	502	3 7.2
15	22 36 48.42	20.77	9 33 21.0	2 6.3	1.31 7800	484	2 59.7
17	22 37 9.19	21.21	9 31 14.7	2 8.9	1.31 8284	465	2 52.2
19	22 37 30.40	21.64	9 29 5.8	2 11.4	1.31 8749	446	2 44.7
21	22 37 52.04	22.06	9 26 54.4	2 13.9	1.31 9195	426	2 37.2
23	22 38 14.10	22.45	9 24 40.5	2 16.1	1.31 9621	407	2 29.7
25	22 38 36.55	22.83	−9 22 24.4	2 18.3	1.32 0028	387	2 22.2
27	22 38 59.38	23.18	9 20 6.1	2 20.4	1.32 0415	365	2 14.7
29	22 39 22.56	23.50	9 17 45.7	2 22.4	1.32 0780	344	2 7.2
31	22 39 46.06	23.80	9 15 23.3	2 24.1	1.32 1124	323	1 59.7
Febr. 2	22 40 9.86	24.09	9 12 59.2	2 25.8	1.32 1447	301	1 52.3
4	22 40 33.95	24.35	9 10 33.4	2 27.3	1.32 1748	279	1 44.8
6	22 40 58.30	24.59	−9 8 6.1	2 28.7	1.32 2027	257	1 37.4
8	22 41 22.89	24.81	9 5 37.4	2 30.0	1.32 2284	234	1 29.9
10	22 41 47.70	25.00	9 3 7.4	2 31.2	1.32 2518	212	1 22.5
12	22 42 12.70	25.17	9 0 36.2	2 32.3	1.32 2730	190	1 15.0
14	22 42 37.87	25.33	8 58 3.9	2 33.1	1.32 2920	168	1 7.6
16	22 43 3.20	25.47	8 55 30.8	2 33.9	1.32 3088	144	1 0.1
18	22 43 28.67	25.58	−8 52 56.9	2 34.6	1.32 3232	121	0 52.7
20	22 43 54.25	25.67	8 50 22.3	2 35.1	1.32 3353	98	0 45.2
22	22 44 19.92	25.75	8 47 47.2	2 35.6	1.32 3451	75	0 37.8
24	22 44 45.67	25.80	8 45 11.6	2 35.8	1.32 3526	52	0 30.3
26	22 45 11.47	25.82	8 42 35.8	2 36.0	1.32 3578	28	0 22.9
28	22 45 37.29	25.82	8 39 59.8	2 35.9	1.32 3606	5	0 15.5
März 2	22 46 3.11	25.80	−8 37 23.9	2 35.7	1.32 3611	18	0 8.1
4	22 46 28.91	25.75	8 34 48.2	2 35.5	1.32 3593	41	0 0.6 23 56.9
6	22 46 54.66	25.69	8 32 12.7	2 35.1	1.32 3552	64	23 49.5
8	22 47 20.35	25.60	8 29 37.6	2 34.6	1.32 3488	87	23 42.0
10	22 47 45.95	25.50	8 27 3.0	2 33.9	1.32 3401	110	23 34.6
12	22 48 11.45	25.37	8 24 29.1	2 33.1	1.32 3291	132	23 27.1
14	22 48 36.82	25.23	−8 21 56.0	2 32.2	1.32 3159	155	23 19.7
16	22 49 2.05	25.07	8 19 23.8	2 31.2	1.32 3004	177	23 12.2
18	22 49 27.12	24.88	8 16 52.6	2 30.0	1.32 2827	199	23 4.8
20	22 49 52.00	24.68	8 14 22.6	2 28.8	1.32 2628	221	22 57.3
22	22 50 16.68	24.46	8 11 53.8	2 27.4	1.32 2407	243	22 49.9
24	22 50 41.14		8 9 26.4		1.32 2164		22 42.4

Tag		0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922		h m s	s	° ′ ″	′ ″			h m
März	24	22 50 41.14	24.21	−8 9 26.4	2 25.9	1.32 2164	264	22 42.4
	26	22 51 5.35	23.95	8 7 9.5	2 24.2	1.32 1900	285	22 35.0
	28	22 51 29.30	23.66	8 4 36.3	2 22.4	1.32 1615	307	22 27.5
	30	22 51 52.96	23.35	8 2 13.9	2 20.5	1.32 1308	327	22 20.0
April	1	22 52 16.31	23.02	7 59 53.4	2 18.5	1.32 0981	348	22 12.5
	3	22 52 39.33	22.68	7 57 34.9	2 16.3	1.32 0633	368	22 5.1
	5	22 53 2.01	22.32	−7 55 18.6	2 14.1	1.32 0265	387	21 57.6
	7	22 53 24.33	21.94	7 53 4.5	2 11.7	1.31 9878	406	21 50.1
	9	22 53 46.27	21.54	7 50 52.8	2 9.3	1.31 9472	425	21 42.6
	11	22 54 7.81	21.13	7 48 43.5	2 6.7	1.31 9047	443	21 35.1
	13	22 54 28.94	20.71	7 46 36.8	2 4.0	1.31 8604	461	21 27.6
	15	22 54 49.65	20.26	7 44 32.8	2 1.3	1.31 8143	479	21 20.1
	17	22 55 9.91	19.81	−7 42 31.5	1 58.4	1.31 7664	495	21 12.6
	19	22 55 29.72	19.33	7 40 33.1	1 55.4	1.31 7169	512	21 5.0
	21	22 55 49.05	18.84	7 38 37.7	1 52.3	1.31 6657	528	20 57.5
	23	22 56 7.89	18.32	7 36 45.4	1 49.1	1.31 6129	544	20 49.9
	25	22 56 26.21	17.80	7 34 56.3	1 45.9	1.31 5585	559	20 42.3
	27	22 56 44.01	17.26	7 33 10.4	1 42.5	1.31 5026	573	20 34.7
	29	22 57 1.27	16.71	−7 31 27.9	1 39.0	1.31 4453	588	20 27.1
Mai	1	22 57 17.98	16.13	7 29 48.9	1 35.4	1.31 3865	601	20 19.5
	3	22 57 34.11	15.55	7 28 13.5	1 31.7	1.31 3264	613	20 11.9
	5	22 57 49.66	14.96	7 26 41.8	1 28.1	1.31 2651	625	20 4.3
	7	22 58 4.62	14.35	7 25 13.7	1 24.4	1.31 2026	637	19 56.7
	9	22 58 18.97	13.74	7 23 49.3	1 20.5	1.31 1389	647	19 49.1
	11	22 58 32.71	13.12	−7 22 28.8	1 16.5	1.31 0742	658	19 41.5
	13	22 58 45.83	12.48	7 21 12.3	1 12.6	1.31 0084	667	19 33.8
	15	22 58 58.31	11.84	7 19 59.7	1 8.6	1.30 9417	676	19 26.2
	17	22 59 10.15	11.19	7 18 51.1	1 4.5	1.30 8741	685	19 18.5
	19	22 59 21.34	10.52	7 17 46.6	1 0.3	1.30 8056	692	19 10.8
	21	22 59 31.86	9.84	7 16 46.3	0 56.1	1.30 7364	699	19 3.1
	23	22 59 41.70	9.15	−7 15 50.2	0 51.8	1.30 6665	705	18 55.4
	25	22 59 50.85	8.47	7 14 58.4	0 47.5	1.30 5960	710	18 47.7
	27	22 59 59.32	7.77	7 14 10.9	0 43.2	1.30 5250	715	18 40.0
	29	23 0 7.09	7.07	7 13 27.7	0 38.8	1.30 4535	718	18 32.2
	31	23 0 14.16	6.35	7 12 48.9	0 34.3	1.30 3817	721	18 24.5
Juni	2	23 0 20.51	5.64	7 12 14.6	0 29.9	1.30 3096	723	18 16.7
	4	23 0 26.15	4.93	−7 11 44.7	0 25.5	1.30 2373	725	18 8.9
	6	23 0 31.08	4.21	7 11 19.2	0 21.0	1.30 1648	725	18 1.1
	8	23 0 35.29	3.49	7 10 58.2	0 16.6	1.30 0923	725	17 53.3
	10	23 0 38.78	2.77	7 10 41.6	0 12.1	1.30 0198	724	17 45.5
	12	23 0 41.55	2.06	7 10 29.5	0 7.6	1.29 9474	722	17 37.7
	14	23 0 43.61		7 10 21.9		1.29 8752		17 29.8

Tag	0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922	h m s	s	° ′ ″	′ ″			h m
Juni 14	23 0 43.61	1.34	−7 10 21.9	0 3.2	1.29 8752	719	17 29.8
16	23 0 44.95	0.61	7 10 18.7	0 1.3	1.29 8033	716	17 22.0
18	23 0 45.56	0.11	7 10 20.0	0 5.8	1.29 7317	712	17 14.1
20	23 0 45.45	0.84	7 10 25.8	0 10.2	1.29 6605	707	17 6.3
22	23 0 44.61	1.56	7 10 36.0	0 14.7	1.29 5898	701	16 58.4
24	23 0 43.05	2.27	7 10 50.7	0 19.1	1.29 5197	694	16 50.5
26	23 0 40.78	2.98	−7 11 9.8	0 23.4	1.29 4503	686	16 42.6
28	23 0 37.80	3.68	7 11 33.2	0 27.6	1.29 3817	677	16 34.7
30	23 0 34.12	4.38	7 12 0.8	0 31.9	1.29 3140	668	16 26.8
Juli 2	23 0 29.74	5.06	7 12 32.7	0 36.2	1.29 2472	658	16 18.9
4	23 0 24.68	5.74	7 13 8.9	0 40.2	1.29 1814	647	16 10.9
6	23 0 18.94	6.40	7 13 49.1	0 44.2	1.29 1167	634	16 2.9
8	23 0 12.54	7.06	−7 14 33.3	0 48.3	1.29 0533	622	15 54.9
10	23 0 5.48	7.71	7 15 21.6	0 52.2	1.28 9911	608	15 46.9
12	22 59 57.77	8.34	7 16 13.8	0 56.0	1.28 9303	594	15 38.9
14	22 59 49.43	8.96	7 17 9.8	0 59.7	1.28 8709	580	15 30.9
16	22 59 40.47	9.57	7 18 9.5	1 3.4	1.28 8129	564	15 22.9
18	22 59 30.90	10.17	7 19 12.9	1 6.9	1.28 7565	547	15 14.9
20	22 59 20.73	10.75	−7 20 19.8	1 10.4	1.28 7018	530	15 6.9
22	22 59 9.98	11.32	7 21 30.2	1 13.8	1.28 6488	511	14 58.9
24	22 58 58.66	11.87	7 22 44.0	1 17.0	1.28 5977	493	14 50.8
26	22 58 46.79	12.39	7 24 1.0	1 20.1	1.28 5484	473	14 42.7
28	22 58 34.40	12.90	7 25 21.1	1 23.0	1.28 5011	453	14 34.6
30	22 58 21.50	13.38	7 26 44.1	1 25.9	1.28 4558	432	14 26.6
Aug. 1	22 58 8.12	13.84	−7 28 10.0	1 28.5	1.28 4126	411	14 18.5
3	22 57 54.28	14.29	7 29 38.5	1 31.1	1.28 3715	388	14 10.4
5	22 57 39.99	14.70	7 31 9.6	1 33.5	1.28 3327	366	14 2.3
7	22 57 25.29	15.10	7 32 43.1	1 35.7	1.28 2961	343	13 54.2
9	22 57 10.19	15.48	7 34 18.8	1 37.8	1.28 2618	320	13 46.0
11	22 56 54.71	15.83	7 35 56.6	1 39.8	1.28 2298	295	13 37.9
13	22 56 38.88	16.15	−7 37 36.4	1 41.5	1.28 2003	271	13 29.8
15	22 56 22.73	16.44	7 39 17.9	1 43.1	1.28 1732	246	13 21.7
17	22 56 6.29	16.73	7 41 1.0	1 44.6	1.28 1486	221	13 13.5
19	22 55 49.56	16.98	7 42 45.6	1 46.0	1.28 1265	195	13 5.4
21	22 55 32.58	17.20	7 44 31.6	1 47.1	1.28 1070	168	12 57.2
23	22 55 15.38	17.39	7 46 18.7	1 47.9	1.28 0902	142	12 49.1
25	22 54 57.99	17.55	−7 48 6.6	1 48.7	1.28 0760	116	12 40.9
27	22 54 40.44	17.68	7 49 55.3	1 49.3	1.28 0644	88	12 32.8
29	22 54 22.76	17.78	7 51 44.6	1 49.6	1.28 0556	61	12 24.6
31	22 54 4.98	17.85	7 53 34.2	1 49.7	1.28 0495	34	12 16.5
Sept. 2	22 53 47.13	17.89	7 55 23.9	1 49.8	1.28 0461	7	12 8.3
4	22 53 29.24		7 57 13.7		1.28 0454		12 0.2

Uranus 1922

Tag		0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922		h m s	s	° ′ ″	′ ″			h m
Sept.	4	22 53 29.24	17.91	−7 57 13.7	1 49.6	1.28 0454	20	12 0.2
	6	22 53 11.33	17.89	7 59 3.3	1 49.3	1.28 0474	47	11 52.0
	8	22 52 53.44	17.84	8 0 52.6	1 48.8	1.28 0521	75	11 43.9
	10	22 52 35.60	17.77	8 2 41.4	1 48.0	1.28 0596	102	11 35.7
	12	22 52 17.83	17.68	8 4 29.4	1 47.2	1.28 0698	128	11 27.5
	14	22 52 0.15	17.55	8 6 16.6	1 46.1	1.28 0826	155	11 19.4
	16	22 51 42.60	17.38	−8 8 2.7	1 44.9	1.28 0981	183	11 11.2
	18	22 51 25.22	17.19	8 9 47.6	1 43.4	1.28 1164	209	11 3.1
	20	22 51 8.03	16.97	8 11 31.0	1 41.8	1.28 1373	236	10 54.9
	22	22 50 51.06	16.71	8 13 12.8	1 40.0	1.28 1609	261	10 46.8
	24	22 50 34.35	16.43	8 14 52.8	1 38.1	1.28 1870	287	10 38.6
	26	22 50 17.92	16.12	8 16 30.9	1 35.9	1.28 2157	313	10 30.5
	28	22 50 1.80	15.77	−8 18 6.8	1 33.7	1.28 2470	337	10 22.3
	30	22 49 46.03	15.41	8 19 40.5	1 31.2	1.28 2807	362	10 14.2
Okt.	2	22 49 30.62	15.02	8 21 11.7	1 28.6	1.28 3169	385	10 6.1
	4	22 49 15.60	14.60	8 22 40.3	1 25.9	1.28 3554	408	9 58.0
	6	22 49 1.00	14.16	8 24 6.2	1 23.0	1.28 3962	431	9 49.9
	8	22 48 46.84	13.70	8 25 29.2	1 20.0	1.28 4393	453	9 41.8
	10	22 48 33.14	13.22	−8 26 49.2	1 16.9	1.28 4846	475	9 33.7
	12	22 48 19.92	12.71	8 28 6.1	1 13.6	1.28 5321	495	9 25.6
	14	22 48 7.21	12.18	8 29 19.7	1 10.1	1.28 5816	516	9 17.5
	16	22 47 55.03	11.62	8 30 29.8	1 6.6	1.28 6332	536	9 9.5
	18	22 47 43.41	11.04	8 31 36.4	1 3.1	1.28 6868	554	9 1.4
	20	22 47 32.37	10.45	8 32 39.5	0 59.3	1.28 7422	572	8 53.4
	22	22 47 21.92	9.83	−8 33 38.8	0 55.3	1.28 7994	590	8 45.3
	24	22 47 12.09	9.19	8 34 34.1	0 51.2	1.28 8584	606	8 37.3
	26	22 47 2.90	8.54	8 35 25.3	0 47.3	1.28 9190	622	8 29.3
	28	22 46 54.36	7.87	8 36 12.6	0 43.2	1.28 9812	637	8 21.3
	30	22 46 46.49	7.19	8 36 55.8	0 39.0	1.29 0449	650	8 13.3
Nov.	1	22 46 39.30	6.50	8 37 34.8	0 34.7	1.29 1099	663	8 5.3
	3	22 46 32.80	5.80	−8 38 9.5	0 30.3	1.29 1762	675	7 57.3
	5	22 46 27.00	5.09	8 38 39.8	0 25.9	1.29 2437	686	7 49.4
	7	22 46 21.91	4.36	8 39 5.7	0 21.5	1.29 3123	696	7 41.4
	9	22 46 17.55	3.63	8 39 27.2	0 17.0	1.29 3819	706	7 33.5
	11	22 46 13.92	2.89	8 39 44.2	0 12.4	1.29 4525	715	7 25.6
	13	22 46 11.03	2.13	8 39 56.6	0 7.9	1.29 5240	723	7 17.7
	15	22 46 8.90	1.38	−8 40 4.5	0 3.2	1.29 5963	729	7 9.8
	17	22 46 7.52	0.62	8 40 7.7	0 1.4	1.29 6692	735	7 1.9
	19	22 46 6.90	0.16	8 40 6.3	0 6.1	1.29 7427	739	6 54.0
	21	22 46 7.06	0.93	8 40 0.2	0 10.8	1.29 8166	743	6 46.2
	23	22 46 7.99	1.70	8 39 49.4	0 15.5	1.29 8909	747	6 38.3
	25	22 46 9.69		8 39 33.9		1.29 9656		6 30.5

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich	
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ			
1922	h m s	s	° ′ ″	′ ″			h m	
Nov. 25	22 46 9.69	2.47	−8 39 33.9	0 20.1	1.29 9656	748	6 30.5	
27	22 46 12.16	3.24	8 39 13.8	0 24.8	1.30 0404	750	6 22.7	
29	22 46 15.40	4.02	8 38 49.0	0 29.5	1.30 1154	750	6 14.9	
Dez. 1	22 46 19.42	4.78	8 38 19.5	0 34.0	1.30 1904	748	6 7.1	20·04
3	22 46 24.20	5.54	8 37 45.5	0 38.6	1.30 2652	747	5 59.3	
5	22 46 29.74	6.30	8 37 6.9	0 43.2	1.30 3399	744	5 51.5	
7	22 46 36.04	7.04	−8 36 23.7	0 47.7	1.30 4143	741	5 43.8	
9	22 46 43.08	7.78	8 35 36.0	0 52.2	1.30 4884	737	5 36.0	
11	22 46 50.86	8.53	8 34 43.8	0 56.7	1.30 5621	732	5 28.3	20·21
13	22 46 59.39	9.27	8 33 47.1	1 1.1	1.30 6353	726	5 20.6	
15	22 47 8.66	10.00	8 32 46.0	1 5.5	1.30 7079	719	5 12.9	
17	22 47 18.66	10.72	8 31 40.5	1 9.7	1.30 7798	712	5 5.2	
19	22 47 29.38	11.42	−8 30 30.8	1 14.0	1.30 8510	703	4 57.5	
21	22 47 40.80	12.12	8 29 16.8	1 18.2	1.30 9213	694	4 49.8	20·38
23	22 47 52.92	12.80	8 27 58.6	1 22.3	1.30 9907	684	4 42.2	
25	22 48 5.72	13.48	8 26 36.3	1 26.3	1.31 0591	673	4 34.5	
27	22 48 19.20	14.13	8 25 10.0	1 30.2	1.31 1264	661	4 26.9	
29	22 48 33.33	14.78	8 23 39.8	1 34.2	1.31 1925	648	4 19.2	
31	22 48 48.11		−8 22 5.6		1.31 2573		4 11.6	20'54

Tag		0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922		h m s	s	° ′ ″	′ ″			h m
Jan.	1	9 11 51.38	21.40	+16 18 33.5	1 38.8	1.46 6342	562	14 28.0
	5	9 11 29.98	22.65	16 20 12.3	1 43.8	1.46 5780	499	14 11.9
	9	9 11 7.33	23.73	16 21 56.1	1 48.6	1.46 5281	434	13 55.8
	13	9 10 43.60	24.67	16 23 44.7	1 52.4	1.46 4847	366	13 39.7
	17	9 10 18.93	25.46	16 25 37.1	1 55.7	1.46 4481	296	13 23.6
	21	9 9 53.47	26.09	16 27 32.8	1 58.2	1.46 4185	223	13 7.4
	25	9 9 27.38	26.54	+16 29 31.0	1 59.8	1.46 3962	151	12 51.2
	29	9 9 0.84	26.82	16 31 30.8	2 0.6	1.46 3811	76	12 35.1
Febr.	2	9 8 34.02	26.89	16 33 31.4	2 0.7	1.46 3735	1	12 18.9
	6	9 8 7.13	26.82	16 35 32.1	2 0.1	1.46 3734	71	12 2.7
	10	9 7 40.31	26.53	16 37 32.2	1 58.5	1.46 3805	146	11 46.6
	14	9 7 13.78	26.13	16 39 30.7	1 56.4	1.46 3951	218	11 30.4
	18	9 6 47.65	25.53	+16 41 27.1	1 53.6	1.46 4169	289	11 14.2
	22	9 6 22.12	24.78	16 43 20.7	1 49.9	1.46 4458	358	10 58.1
	26	9 5 57.34	23.86	16 45 10.6	1 45.6	1.46 4816	426	10 42.0
März	2	9 5 33.48	22.77	16 46 56.2	1 40.6	1.46 5242	491	10 25.8
	6	9 5 10.71	21.56	16 48 36.8	1 35.2	1.46 5733	551	10 9.7
	10	9 4 49.15	20.18	16 50 12.0	1 29.1	1.46 6284	609	9 53.7
	14	9 4 28.97	18.73	+16 51 41.1	1 22.5	1.46 6893	664	9 37.6
	18	9 4 10.24	17.15	16 53 3.6	1 15.7	1.46 7557	714	9 21.5
	22	9 3 53.09	15.46	16 54 19.3	1 8.2	1.46 8271	762	9 5.5
	26	9 3 37.63	13.67	16 55 27.5	1 0.4	1.46 9033	804	8 49.6
	30	9 3 23.96	11.78	16 56 27.9	0 52.2	1.46 9837	843	8 33.6
April	3	9 3 12.18	9.84	16 57 20.1	0 43.8	1.47 0680	876	8 17.7
	7	9 3 2.34	7.83	+16 58 3.9	0 35.2	1.47 1556	904	8 1.8
	11	9 2 54.51	5.80	16 58 39.1	0 26.5	1.47 2460	929	7 46.0
	15	9 2 48.71	3.73	16 59 5.6	0 17.6	1.47 3389	948	7 30.1
	19	9 2 44.98	1.61	16 59 23.2	0 8.5	1.47 4337	964	7 14.3
	23	9 2 43.37	0.51	16 59 31.7	0 0.5	1.47 5301	974	6 58.6
	27	9 2 43.88	2.65	16 59 31.2	0 9.7	1.47 6275	980	6 42.9
Mai	1	9 2 46.53	4.78	+16 59 21.5	0 18.7	1.47 7255	981	6 27.2
	5	9 2 51.31	6.89	16 59 2.8	0 27.8	1.47 8236	978	6 11.6
	9	9 2 58.20	8.95	16 58 35.0	0 36.6	1.47 9214	969	5 56.0
	13	9 3 7.15	10.99	16 57 58.4	0 45.3	1.48 0183	957	5 40.4
	17	9 3 18.14	12.99	16 57 13.1	0 53.9	1.48 1140	942	5 24.8
	21	9 3 31.13	14.98	16 56 19.2	1 2.3	1.48 2082	922	5 9.3
	25	9 3 46.11	16.84	+16 55 16.9	1 10.7	1.48 3004	898	4 53.8
	29	9 4 2.95	18.69	16 54 6.2	1 18.5	1.48 3902	869	4 38.4
Juni	2	9 4 21.64	20.46	16 52 47.7	1 26.3	1.48 4771	839	4 23.0
	6	9 4 42.10	22.13	16 51 21.4	1 33.4	1.48 5610	804	4 7.6
	10	9 5 4.23	23.72	16 49 48.0	1 40.5	1.48 6414	766	3 52.2
	14	9 5 27.95		16 48 7.5		1.48 7180		3 36.9

Tag		0h mittlere Zeit Greenwich: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1922		h m s	s	° ′ ″	′ ″			h m
Juni	14	9 5 27.95	25.24	+16 48 7.5	1 47.4	1.48 7180	726	3 36.9
	18	9 5 53.19	26.68	16 46 20.1	1 53.5	1.48 7906	683	3 21.6
	22	9 6 19.87	28.00	16 44 26.6	1 59.6	1.48 8589	637	3 6.3
	26	9 6 47.87	29.25	16 42 27.0	2 5.4	1.48 9226	588	2 51.0
	30	9 7 17.12	30.36	16 40 21.6	2 10.3	1.48 9814	538	2 35.8
Juli	4	9 7 47.48	31.38	16 38 11.3	2 15.0	1.49 0352	484	2 20.6
	8	9 8 18.86	32.28	+16 35 56.3	2 19.3	1.49 0836	431	2 5.4
	12	9 8 51.14	33.08	16 33 37.0	2 23.1	1.49 1267	375	1 50.2
	16	9 9 24.22	33.78	16 31 13.9	2 26.6	1.49 1642	318	1 35.0
	20	9 9 58.00	34.36	16 28 47.3	2 29.4	1.49 1960	258	1 19.8
	24	9 10 32.36	34.81	16 26 17.9	2 31.7	1.49 2218	200	1 4.7
	28	9 11 7.17	35.15	16 23 46.2	2 33.6	1.49 2418	139	0 49.5
Aug.	1	9 11 42.32	35.34	+16 21 12.6	2 34.8	1.49 2557	77	0 34.4
	5	9 12 17.66	35.46	16 18 37.8	2 35.8	1.49 2634	16	0 19.2
	9	9 12 53.12	35.44	16 16 2.0	2 35.9	1.49 2650	45	0 4.1
	13	9 13 28.56	35.29	16 13 26.1	2 35.7	1.49 2605	106	23 45.2
	17	9 14 3.85	35.05	16 10 50.4	2 35.0	1.49 2499	167	23 30.0
	21	9 14 38.90	34.67	16 8 15.4	2 33.5	1.49 2332	229	23 14.9
	25	9 15 13.57	34.15	+16 5 41.9	2 31.5	1.49 2103	288	22 59.7
	29	9 15 47.72	33.53	16 3 10.4	2 29.0	1.49 1815	348	22 44.6
Sept.	2	9 16 21.25	32.78	16 0 41.4	2 26.0	1.49 1467	406	22 29.4
	6	9 16 54.03	31.93	15 58 15.4	2 22.4	1.49 1061	462	22 14.2
	10	9 17 25.96	30.97	15 55 53.0	2 18.2	1.49 0599	517	21 59.0
	14	9 17 56.93	29.91	15 53 34.8	2 13.6	1.49 0082	570	21 43.8
	18	9 18 26.84	28.71	+15 51 21.2	2 8.4	1.48 9512	622	21 28.5
	22	9 18 55.55	27.41	15 49 12.8	2 2.5	1.48 8890	670	21 13.3
	26	9 19 22.96	26.00	15 47 10.3	1 56.2	1.48 8220	717	20 58.0
	30	9 19 48.96	24.50	15 45 14.1	1 49.5	1.48 7503	761	20 42.7
Okt.	4	9 20 13.46	22.91	15 43 24.6	1 42.3	1.48 6742	800	20 27.4
	8	9 20 36.37	21.24	15 41 42.3	1 34.7	1.48 5942	838	20 12.0
	12	9 20 57.61	19.49	+15 40 7.6	1 26.4	1.48 5104	872	19 56.6
	16	9 21 17.10	17.64	15 38 41.2	1 18.2	1.48 4232	903	19 41.2
	20	9 21 34.74	15.73	15 37 23.0	1 9.2	1.48 3329	929	19 25.8
	24	9 21 50.47	13.73	15 36 13.8	0 59.8	1.48 2400	952	19 10.3
	28	9 22 4.20	11.71	15 35 14.0	0 50.6	1.48 1448	969	18 54.8
Nov.	1	9 22 15.91	9.63	15 34 23.4	0 40.9	1.48 0479	983	18 39.3
	5	9 22 25.54	7.53	+15 33 42.5	0 30.9	1.47 9496	992	18 23.7
	9	9 22 33.07	5.38	15 33 11.6	0 21.0	1.47 8504	997	18 8.1
	13	9 22 38.45	3.21	15 32 50.6	0 10.8	1.47 7507	996	17 52.4
	17	9 22 41.66	1.04	15 32 39.8	0 0.6	1.47 6511	992	17 36.8
	21	9 22 42.70	1.14	15 32 39.2	0 9.5	1.47 5519	981	17 21.1
	25	9 22 41.56		15 32 48.7		1.47 4538		17 5.3

Tag	0h mittlere Zeit Greenwich						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1922	h m s	s	° ′ ″	′ ″			h m
Nov. 25	9 22 41.56	3.30	+15 32 48.7	0 19.6	1.47 4538	966	17 5.3
29	9 22 38.26	5.43	15 33 8.3	0 29.6	1.47 3572	945	16 49.5
Dez. 3	9 22 32.83	7.50	15 33 37.9	0 39.2	1.47 2627	920	16 33.7
7	9 22 25.33	9.54	15 34 17.1	0 48.7	1.47 1707	890	16 17.8
11	9 22 15.79	11.52	15 35 5.8	0 57.9	1.47 0817	856	16 1.9
15	9 22 4.27	13.44	15 36 3.7	1 6.7	1.46 9961	816	15 46.0
19	9 21 50.83	15.26	+15 37 10.4	1 15.1	1.46 9145	772	15 30.1
23	9 21 35.57	16.98	15 38 25.5	1 22.9	1.46 8373	723	15 14.1
27	9 21 18.59	18.58	15 39 48.4	1 30.2	1.46 7650	670	14 58.1
31	9 21 0.01		15 41 18.6		1.46 6980		14 42.0

Mittleres Äquinoktium 1925.0

MERKUR 1922

Mittlere Zeit Greenwich	log r	Länge in d. Bahn	Red. a. d. Ekl.	Breite	Mittlere Zeit Greenwich	log r	Länge in d. Bahn	Red. a. d. Ekl.	Breite
1922					1922				
Jan. −1.0	9.6565	283° 48′	−12′	−5° 50′	Juli 3.0	9.6222	312° 13′	−2′	−6° 58′
+4.0	9.6403	298 55	−8	−6 38	8.0	9.5942	330 25	+6	−6 49
9.0	9.6174	315 28	−1	−7 0	13.0	9.5612	351 24	+12	−5 48
14.0	9.5883	334 7	+7	−6 42	18.0	9.5270	15 56	+11	−3 39
19.0	9.5547	355 42	+13	−5 30	23.0	9.4992	44 19	+1	−0 23
24.0	9.5210	20 58	+10	−3 7	28.0	9.4879	75 29	−11	+3 17
29.0	9.4956	50 1	−1	+0 19	Aug. 2.0	9.4982	106 44	−11	+6 1
Febr. 3.0	9.4882	81 26	−12	+3 55	7.0	9.5254	135 18	−1	+7 0
8.0	9.5023	112 21	−10	+6 20	12.0	9.5594	160 2	+9	+6 28
13.0	9.5315	140 14	+1	+7 0	17.0	9.5926	181 10	+13	+5 3
18.0	9.5659	164 15	+10	+6 15	22.0	9.6209	199 29	+11	+3 17
23.0	9.5984	184 47	+13	+4 44	27.0	9.6429	215 48	+5	+1 25
28.0	9.6256	202 40	+10	+2 56	Sept. 1.0	9.6582	230 45	−1	−0 24
März 5.0	9.6463	218 41	+4	+1 4	6.0	9.6668	244 55	−7	−2 6
10.0	9.6603	233 28	−3	−0 44	11.0	9.6689	258 44	−11	−3 38
15.0	9.6677	247 32	−8	−2 24	16.0	9.6645	272 37	−13	−4 58
20.0	9.6686	261 19	−12	−3 54	21.0	9.6535	287 1	−11	−6 2
25.0	9.6630	275 16	−13	−5 11	26.0	9.6358	302 23	−6	−6 46
30.0	9.6507	289 49	−11	−6 12	Okt. 1.0	9.6115	319 20	+1	−7 0
April 4.0	9.6318	305 26	−5	−6 51	6.0	9.5812	338 34	+9	−6 32
9.0	9.6063	322 44	+2	−6 58	11.0	9.5471	0 54	+13	−5 5
14.0	9.5750	342 29	+10	−6 21	16.0	9.5144	27 1	+8	−2 26
19.0	9.5406	5 30	+13	−4 41	21.0	9.4921	56 46	−4	+1 8
24.0	9.5091	32 21	+6	−1 49	26.0	9.4895	88 21	−13	+4 35
29.0	9.4899	62 38	−6	+1 50	31.0	9.5077	118 46	−8	+6 38
Mai 4.0	9.4915	94 14	−13	+5 6	Nov. 5.0	9.5389	145 49	+4	+6 56
9.0	9.5129	124 8	−6	+6 49	10.0	9.5733	169 0	+12	+5 58
14.0	9.5454	150 27	+6	+6 49	15.0	9.6048	188 54	+13	+4 21
19.0	9.5796	172 58	+12	+5 42	20.0	9.6307	206 19	+9	+2 31
24.0	9.6102	192 20	+12	+4 1	25.0	9.6499	222 0	+2	+0 40
29.0	9.6348	209 22	+8	+2 10	30.0	9.6625	236 35	−4	−1 7
Juni 3.0	9.6528	224 48	+1	+0 19	Dez. 5.0	9.6685	250 33	−9	−2 45
8.0	9.6641	239 14	−5	−1 26	10.0	9.6679	264 21	−12	−4 12
13.0	9.6689	253 8	−10	−3 2	15.0	9.6608	278 23	−13	−5 26
18.0	9.6671	266 57	−13	−4 27	20.0	9.6472	293 7	−10	−6 23
23.0	9.6588	281 5	−12	−5 38	25.0	9.6268	309 3	−4	−6 56
28.0	9.6438	296 0	−9	−6 31	30.0	9.5999	326 49	+4	−6 55
Juli 3.0	9.6222	312 13	−2	−6 58	35.0	9.5676	347 12	+11	−6 5

$$☊ = 47^\circ\ 26'.8\,; \quad i = 7^\circ\ 0'.21\,; \quad m = \frac{1}{6\,000\,000}$$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite
		VENUS 1922				MARS 1922		
1922		° ′	′	° ′		° ′	′	° ′
Jan. − 1.0	9.86102	255 16.7	+0.1	+0 2.6	0.21757	179 24.3	+0.9	+1 24.5
+ 9.0	9.86162	271 9.1	−1.5	−0 53.2	0.21601	183 52.1	+0.9	+1 18.7
19.0	9.86205	286 59.3	−2.7	−1 44.8	0.21421	188 22.0	+0.9	+1 12.3
29.0	9.86227	302 48.1	−3.0	−2 28.4	0.21217	192 54.3	+0.8	+1 5.4
Febr. 8.0	9.86227	318 36.4	−2.5	−3 0.8	0.20990	197 29.3	+0.8	+0 58.0
18.0	9.86204	334 25.2	−1.2	−3 19.5	0.20742	202 7.3	+0.7	+0 50.2
28.0	9.86161	350 15.4	+0.4	−3 23.1	0.20472	206 48.6	+0.6	+0 41.9
März 10.0	9.86100	6 7.9	+1.9	−3 11.2	0.20183	211 33.6	+0.5	+0 33.2
20.0	9.86026	22 3.4	+2.9	−2 44.6	0.19876	216 22.5	+0.4	+0 24.2
30.0	9.85945	38 2.4	+2.9	−2 5.2	0.19552	221 15.7	+0.2	+0 14.9
April 9.0	9.85862	54 5.0	+2.1	−1 16.0	0.19214	226 13.4	+0.1	+0 5.3
19.0	9.85785	70 11.2	+0.6	−0 20.7	0.18862	231 15.8	−0.1	−0 4.4
29.0	9.85719	86 20.6	−1.1	+0 36.5	0.18500	236 23.2	−0.2	−0 14.3
Mai 9.0	9.85670	102 32.6	−2.4	+1 30.9	0.18130	241 35.9	−0.4	−0 24.2
19.0	9.85642	118 46.3	−3.0	+2 18.2	0.17755	246 54.0	−0.5	−0 34.1
29.0	9.85637	135 0.7	−2.7	+2 54.5	0.17378	252 17.7	−0.7	−0 43.9
Juni 8.0	9.85655	151 14.9	−1.5	+3 16.9	0.17003	257 47.0	−0.8	−0 53.5
18.0	9.85695	167 27.8	+0.1	+3 23.6	0.16633	263 22.0	−0.8	−1 2.7
28.0	9.85754	183 38.4	+1.7	+3 14.1	0.16271	269 2.7	−0.9	−1 11.4
Juli 8.0	9.85826	199 46.1	+2.8	+2 49.3	0.15923	274 49.0	−0.9	−1 19.6
18.0	9.85907	215 50.3	+3.0	+2 11.3	0.15593	280 40.8	−0.9	−1 27.1
28.0	9.85990	231 50.9	+2.2	+1 23.3	0.15284	286 37.8	−0.8	−1 33.8
Aug. 7.0	9.86068	247 48.0	+0.8	+0 29.1	0.15000	292 59.7	−0.7	−1 39.5
17.0	9.86135	263 41.8	−0.8	−0 27.2	0.14747	298 46.1	−0.6	−1 44.2
27.0	9.86187	279 33.0	−2.2	−1 21.3	0.14527	304 56.6	−0.4	−1 47.7
Sept. 6.0	9.86219	295 22.3	−3.0	−2 9.1	0.14344	311 10.5	−0.2	−1 50.0
16.0	9.86229	311 10.7	−2.8	−2 47.1	0.14202	317 27.2	0.0	−1 51.0
26.0	9.86217	326 59.1	−1.9	−3 12.5	0.14102	323 46.0	+0.1	−1 50.6
Okt. 6.0	9.86183	342 48.6	−0.3	−3 23.3	0.14046	330 6.2	+0.3	−1 48.9
16.0	9.86130	358 40.0	+1.3	−3 18.7	0.14036	336 27.0	+0.5	−1 45.9
26.0	9.86062	14 34.1	+2.5	−2 58.8	0.14071	342 47.5	+0.7	−1 41.6
Nov. 5.0	9.85983	30 31.4	+3.0	−2 25.2	0.14150	349 7.0	+0.8	−1 36.0
15.0	9.85901	46 32.3	+2.6	−1 40.1	0.14274	355 24.8	+0.9	−1 29.3
25.0	9.85821	62 36.8	+1.4	−0 47.2	0.14438	1 40.1	+0.9	−1 21.6
Dez. 5.0	9.85749	78 44.7	−0.3	+0 9.7	0.14641	7 52.2	+0.9	−1 13.0
15.0	9.85692	94 55.5	−1.8	+1 6.0	0.14880	14 0.6	+0.8	−1 3.6
25.0	9.85654	111 8.4	−2.8	+1 57.1	0.15150	20 4.7	+0.7	−0 53.6
35.0	9.85638	127 22.6	−2.9	+2 39.0	0.15448	26 4.0	+0.6	−0 43.2

Venus: $\Omega = 76^\circ\ 0'.8$; $i = 3^\circ\ 23'.63$; $m = \frac{1}{408000}$

Mars: $\Omega = 48^\circ\ 59'.3$; $i = 1^\circ\ 51'.03$; $m = \frac{1}{3093500}$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log R	Länge	log r	Länge in der Bahn	Red. auf d.Eklipt.	Breite	B_0
	ERDE 1922		JUPITER 1922				
1922		° ′		° ′ ″	″	° ′ ″	″
Jan. − 1.0	9.99269	98 19.3	0.736555	186 51 27.5	− 2.7	+1 18 26.2	+5.6
+ 9.0	9.99273	108 30.8	0.736589	187 36 48.7	− 2.0	+1 18 28.9	+5.5
19.0	9.99300	118 41.9	0.736619	188 22 9.6	− 1.2	+1 18 30.7	+5.5
29.0	9.99348	128 52.0	0.736646	189 7 30.1	− 0.5	+1 18 31.7	+5.5
Febr. 8.0	9.99415	139 0.4	0.736669	189 52 50.3	+ 0.2	+1 18 31.8	+5.5
18.0	9.99501	149 6.6	0.736688	190 38 10.2	+ 0.9	+1 18 31.2	+5.5
28.0	9.99601	159 10.3	0.736703	191 23 29.9	+ 1.6	+1 18 29.8	+5.5
März 10.0	9.99712	169 11.1	0.736715	192 8 49.4	+ 2.3	+1 18 27.6	+5.5
20.0	9.99832	179 8.6	0.736723	192 54 8.8	+ 3.0	+1 18 24.5	+5.4
30.0	9.99956	189 2.8	0.736727	193 39 28.2	+ 3.7	+1 18 20.6	+5.4
April 9.0	0.00081	198 53.6	0.736727	194 24 47.5	+ 4.4	+1 18 15.8	+5.4
19.0	0.00202	208 41.0	0.736724	195 10 6.9	+ 5.1	+1 18 10.3	+5.4
29.0	0.00317	218 25.2	0.736717	195 55 26.3	+ 5.8	+1 18 3.9	+5.3
Mai 9.0	0.00423	228 6.5	0.736706	196 40 45.8	+ 6.5	+1 17 56.8	+5.3
19.0	0.00515	237 45.1	0.736691	197 26 5.4	+ 7.1	+1 17 48.8	+5.3
29.0	0.00593	247 21.4	0.736672	198 11 25.2	+ 7.8	+1 17 40.1	+5.3
Juni 8.0	0.00654	256 56.0	0.736650	198 56 45.3	+ 8.5	+1 17 30.5	+5.2
18.0	0.00695	266 29.1	0.736624	199 42 5.7	+ 9.2	+1 17 20.1	+5.2
28.0	0.00717	276 1.4	0.736594	200 27 26.4	+ 9.8	+1 17 8.8	+5.2
Juli 8.0	0.00719	285 33.4	0.736560	201 12 47.5	+10.5	+1 16 56.8	+5.1
18.0	0.00700	295 5.6	0.736523	201 58 9.1	+11.1	+1 16 43.9	+5.1
28.0	0.00662	304 38.6	0.736482	202 43 31.2	+11.8	+1 16 30.3	+5.1
Aug. 7.0	0.00604	314 12.9	0.736437	203 28 53.7	+12.4	+1 16 15.8	+5.1
17.0	0.00529	323 48.9	0.736388	204 14 16.8	+13.0	+1 16 0.6	+5.0
27.0	0.00438	333 27.1	0.736335	204 59 40.6	+13.7	+1 15 44.6	+5.0
Sept. 6.0	0.00335	343 7.9	0.736279	205 45 5.1	+14.3	+1 15 27.8	+5.0
16.0	0.00221	352 51.7	0.736219	206 30 30.2	+14.9	+1 15 10.2	+5.0
26.0	0.00100	2 38.6	0.736156	207 15 56.1	+15.4	+1 14 51.8	+4.9
Okt. 6.0	9.99976	12 28.9	0.736088	208 1 22.9	+16.0	+1 14 32.6	+4.9
16.0	9.99852	22 22.5	0.736017	208 46 50.5	+16.6	+1 14 12.6	+4.9
26.0	9.99731	32 19.5	0.735942	209 32 18.9	+17.1	+1 13 51.8	+4.8
Nov. 5.0	9.99617	42 19.8	0.735864	210 17 48.3	+17.7	+1 13 30.2	+4.8
15.0	9.99515	52 23.0	0.735782	211 3 18.8	+18.2	+1 13 7.9	+4.8
25.0	9.99427	62 28.9	0.735696	211 48 50.3	+18.7	+1 12 44.8	+4.7
Dez. 5.0	9.99356	72 37.0	0.735607	212 34 22.8	+19.2	+1 12 20.9	+4.7
15.0	9.99305	82 46.8	0.735514	213 19 56.5	+19.7	+1 11 56.2	+4.7
25.0	9.99275	92 57.8	0.735417	214 5 31.5	+20.2	+1 11 30.8	+4.6
35.0	[9.99267]	[103 9.4]	0.735317	214 51 7.7	+20.6	+1 11 4.6	+4.6

Erde: $m = \frac{1}{329390}$

Jupiter: $\Omega = 99°\,41'\,52''.2$; $i = 1°\,18'\,26''.4$; $m = \frac{1}{1047.35}$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
		SATURN 1922			
		° ′ ″	″	° ′ ″	″
1921 Nov. 30.0	0.978010	180 26 17.2	−69.2	+2 17 50.1	−11.5
1922 Jan. 9.0	0.978561	181 47 4.5	−65.9	+2 19 8.8	−11.5
Febr. 18.0	0.979110	183 7 39.6	−62.4	+2 20 22.6	−11.5
März 30.0	0.979657	184 28 2.6	−58.9	+2 21 31.6	−11.4
Mai 9.0	0.980201	185 48 13.6	−55.2	+2 22 35.8	−11.4
Juni 18.0	0.980743	187 8 12.6	−51.4	+2 23 35.3	−11.4
Juli 28.0	0.981282	188 27 59.7	−47.5	+2 24 30.0	−11.3
Sept. 6.0	0.981817	189 47 35.0	−43.5	+2 25 19.9	−11.3
Okt. 16.0	0.982350	191 6 58.5	−39.4	+2 26 4.9	−11.3
1922 Nov. 25.0	0.982880	192 26 10.5	−35.2	+2 26 45.2	−11.2
1923 Jan. 4.0	0.983406	193 45 11.1	−31.0	+2 27 20.7	−11.2

$\Omega = 113^\circ\ 0'\ 20''.6;\quad i = 2^\circ\ 29'\ 28''.7;\quad m = \frac{1}{3501.6}$

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
		URANUS 1922			
		° ′ ″	″	° ′ ″	″
1921 Nov. 30.0	1.302614	338 40 5.1	− 1.6	−0 46 9.9	+ 1.7
1922 Jan. 9.0	1.302647	339 5 43.8	− 1.5	−0 46 11.6	+ 1.7
Febr. 18.0	1.302678	339 31 22.4	− 1.3	−0 46 13.2	+ 1.7
März 30.0	1.302709	339 57 0.8	− 1.2	−0 46 14.6	+ 1.7
Mai 9.0	1.302739	340 22 39.1	− 1.1	−0 46 15.9	+ 1.7
Juni 18.0	1.302767	340 48 17.3	− 0.9	−0 46 17.0	+ 1.7
Juli 28.0	1.302795	341 13 55.4	− 0.8	−0 46 18.0	+ 1.6
Sept. 6.0	1.302822	341 39 33.4	− 0.6	−0 46 18.8	+ 1.6
Okt. 16.0	1.302847	342 5 11.3	− 0.5	−0 46 19.4	+ 1.6
1922 Nov. 25.0	1.302872	342 30 49.1	− 0.4	−0 46 19.9	+ 1.6
1923 Jan. 4.0	1.302896	342 56 26.9	− 0.2	−0 46 20.2	+ 1.6

$\Omega = 73^\circ\ 37';\quad i = 0^\circ\ 46'\ 22'';\quad m = \frac{1}{22869}$

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
		NEPTUN 1922			
		° ′ ″	″	° ′ ″	″
1921 Nov. 30.0	1.478181	134 14 5.5	− 5.6	+0 6 6.2	− 0.3
1922 Jan. 9.0	1.478193	134 28 28.2	− 6.1	+0 6 32.9	− 0.3
Febr. 18.0	1.478205	134 42 50.7	− 6.5	+0 6 59.5	− 0.4
März 30.0	1.478217	134 57 13.1	− 6.9	+0 7 26.1	− 0.4
Mai 9.0	1.478229	135 11 35.3	− 7.3	+0 7 52.8	− 0.4
Juni 18.0	1.478241	135 25 57.4	− 7.7	+0 8 19.4	− 0.4
Juli 28.0	1.478252	135 40 19.4	− 8.1	+0 8 46.0	− 0.5
Sept. 6.0	1.478264	135 54 41.2	− 8.5	+0 9 12.7	− 0.5
Okt. 16.0	1.478275	136 9 2.8	− 8.9	+0 9 39.3	− 0.5
1922 Nov. 25.0	1.478287	136 23 24.3	− 9.3	+0 10 5.8	− 0.5
1923 Jan. 4.0	1.478298	136 37 45.8	− 9.8	+0 10 32.4	− 0.5

$\Omega = 130^\circ\ 57';\quad i = 1^\circ\ 46'\ 37'';\quad m = \frac{1}{19314}$

Mittlere und Scheinbare Sternörter 1922

Reduktionsgrößen

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ′ ″	″	
1	α Androm.	2.1	A	0 4 21.112	+3.0973	+ 107	+28 39 35.37	+19.881	— 161
2	β Cassiopeiae	2.2	F 5	0 5 0.305	+3.1884	+ 676	+58 43 10.41	+19.861	— 180
3	ε Phoenicis	3.8	K	0 5 27.329	+3.0495	+ 99	—46 10 40.56	+19.847	— 192
4	[22 Androm.]	5.2	F	0 6 15.588	+3.1108	+ 8	+45 38 17.45	+20.035	— 3
5	[χ² Sculptoris]	5.5	K	0 7 36.909	+3.0493	+ 4	—28 14 3.74	+20.040	+ 6
6	[ϑ Sculptoris]	5.3	F 5 p	0 7 46.155	+3.0507	+ 104	—35 34 11.24	+20.158	+ 124
7	γ Pegasi	2.7	B 2	0 9 13.009	+3.0869	+ 1	+14 44 59.62	+20.015	— 14
8	[Br. 6]	6.5	A	0 11 46.894	+3.3658	+ 67	+76 31 2.70	+20.020	+ 2
9	ι Ceti	3.5	K	0 15 27.228	+3.0566	— 15	— 9 15 22.65	+19.968	— 32
10	ζ Tucanae	4.2	F 8	0 16 0.941	+3.1396	+2700	—65 19 59.77	+21.150	+1154
11	β Hydri	2.8	G	0 21 40.614	+3.1908	+6966	—77 41 36.61	+20.274	+ 318
12	α Phoenicis	2.3	K	0 22 25.856	+2.9689	+ 168	—42 43 46.89	+19.540	— 409
13	12 Ceti	6.1	K	0 26 3.490	+3.0618	+ 8	— 4 23 17.51	+19.908	— 8
14	[Ceti 49 G.]	5.3	A 5	0 26 28.749	+3.0009	— 25	—24 13 9.02	+19.921	+ 9
15	[λ¹ Phoenicis]	4.7	A 2	0 27 39.386	+2.8984	+ 123	—49 14 5.62	+19.911	+ 12
16	[χ Cassiop.]	4.2	B	0 28 33.187	+3.3929	+ 11	+62 30 5.38	+19.893	+ 3
17	ζ Cassiopeiae	3.8	B 2	0 32 36.954	+3.3310	+ 23	+53 28 4.14	+19.836	— 7
18	π Androm.	4.2	B 3	0 32 42.597	+3.1992	+ 17	+33 17 24.52	+19.842	0
19	[ε Androm.]	4.3	G 5	0 34 25.761	+3.1658	— 173	+28 53 18.32	+19.568	— 251
20	δ Androm.	3.2	K	0 35 9.130	+3.2032	+ 106	+30 26 3.85	+19.726	— 84
21	α Cassiopeiae	(2.2)	K	0 36 4.184	+3.3906	+ 60	+56 6 35.22	+19.768	— 29
22	β Ceti	2.2	K	0 39 40.492	+3.0121	+ 160	—18 24 52.40	+19.784	+ 39
23	[η Phoenicis]	4.3	A	0 39 51.282	+2.7048	+ 5	—57 53 27.33	+19.735	— 8
25	ο Cassiopeiae	4.7	B 2	0 40 22.228	+3.3337	+ 22	+47 51 27.60	+19.727	— 8
26	[λ² Sculptoris]	5.9	K 5	0 40 25.864	+2.9016	+ 178	—38 51 4.89	+19.849	+ 115
24	21 Cassiopeiae	5.8	A 2	0 40 28.031	+3.9170	— 57	+74 33 42.98	+19.711	— 23
27	ζ Androm.	4.1	K	0 43 12.007	+3.1759	— 75	+23 50 35.06	+19.612	— 79
28	[δ Piscium]	4.4	K 5	0 44 38.006	+3.1104	+ 52	+ 7 9 38.85	+19.621	— 46
31	[λ Hydri]	5.3	K 5	0 45 53.567	+2.0959	+ 399	—75 20 52.46	+19.618	— 26
29	[Br. 82]	5.7	F	0 45 58.740	+3.6204	+ 59	+63 49 23.51	+19.639	— 5
30	[19 Ceti]	5.4	F	0 46 13.186	+3.0045	— 159	—11 3 51.01	+19.416	— 223
32	γ Cassiopeiae	2.0	B p	0 51 59.222	+3.6032	+ 37	+60 17 40.77	+19.528	— 4
34	[λ² Tucanae]	5.3	G 5	0 52 5.555	+2.2444	— 33	—69 56 55.53	+19.484	— 45
33	μ Androm.	3.9	A 2	0 52 25.048	+3.3230	+ 129	+38 4 35.71	+19.559	+ 36
35	α Sculptoris	4.1	B 5	0 54 50.871	+2.8910	— 5	—29 46 44.03	+19.469	— 5
36	ε Piscium	4.2	G 5	0 58 53.575	+3.1117	— 55	+ 7 28 13.94	+19.417	+ 30
37	[26 Ceti]	6.2	A	0 59 48.095	+3.0865	+ 81	+ 0 56 56.42	+19.328	— 39
38	β Phoenicis	3.2	K	1 2 36.234	+2.6787	— 56	—47 8 10.94	+19.286	— 15
39	[ι Tucanae]	5.5	K	1 4 13.496	+2.3820	+ 100	—62 11 29.88	+19.259	— 4
40	[η Ceti]	3.3	K	1 4 39.910	+3.0169	+ 138	—10 35 43.53	+19.121	— 132

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ' "	"	
42	β Androm.	2.1	M a	1 5 21.535	+3.3531	+ 151	+35 12 26.66	+19.123	—113
41	[44 H. Ceph.]	5.7	A	1 5 28.416	+5.0913	+ 333	+79 15 33.76	+19.241	+ 9
43	[τ Piscium]	4.3	K p	1 7 21.569	+3.2989	+ 56	+29 40 32.87	+19.144	— 41
44	[Sculpt. 102 G.]	6.0	A 2	1 9 9.786	+2.7633	+ 39	—38 16 10.43	+19.112	— 27
45	υ Piscium	4.6	A 2	1 15 10.459	+3.2922	+ 15	+26 51 16.07	+18.966	— 11
47	ϑ Ceti	3.4	K	1 20 7.442	+2.9981	— 55	— 8 35 7.68	+18.619	—214
46	[ψ Cassiop.]	5.0	K	1 20 24.009	+4.2073	+ 135	+67 43 24.58	+18.856	+ 33
48	δ Cassiopeiae	2.7	A 5	1 20 41.904	+3.9054	+ 398	+59 49 49.59	+18.772	— 43
49	[γ Phoenicis]	3.2	K 5	1 24 58.704	+2.6059	— 38	—43 43 3.42	+18.465	—218
50	η Piscium	3.6	G 5	1 27 18.367	+3.2069	+ 15	+14 56 38.78	+18.601	— 7
51	40 Cassiopeiae	5.5	K	1 32 14.931	+4.7456	— 19	+72 38 35.60	+18.437	— 6
53	[Hydri 14 G.]	6.3	G 2	1 33 7.101	+0.3737	— 70	—78 54 2.51	+18.285	—128
52	υ Persei	3.6	K	1 33 11.690	+3.6709	+ 64	+48 14 0.81	+18.298	—113
54	α Eridani	1	B 5	1 34 48.712	+2.2373	+ 122	—57 37 57.84	+18.316	— 38
55	43 Cassiopeiae	5.9	A p	1 36 32.403	+4.4105	+ 88	+67 38 57.26	+18.291	— 2
56	[ν Piscium]	4.5	K	1 37 22.204	+3.1202	— 17	+ 5 5 35.99	+18.265	+ 2
58	[Sculpt. 129 G.]	5.8	A	1 38 36.645	+2.6435	— 58	—37 13 31.57	+18.195	— 23
57	φ Persei	4.1	B p	1 38 45.664	+3.7476	+ 26	+50 17 46.95	+18.198	— 15
59	τ Ceti	3.4	K	1 40 26.656	+2.7869	—1195	—16 20 52.37	+19.002	+852
60	ο Piscium	4.3	G 5	1 41 16.328	+3.1655	+ 47	+ 8 45 56.41	+18.170	+ 50
61	Lac. ε Sculpt.	5.3	A	1 41 59.523	+2.8090	+ 99	—25 26 32.15	+18.018	— 75
62	ζ Ceti	3.5	K	1 47 36.567	+2.9605	+ 22	—10 43 11.68	+17.842	— 34
64	α Trianguli	3.5	F 5	1 48 37.795	+3.4147	+ 11	+29 11 57.95	+17.603	—233
63	ε Cassiopeiae	3.3	B 5	1 48 45.893	+4.2912	+ 50	+63 17 12.20	+17.814	— 15
65	ξ Piscium	4.6	K	1 49 30.931	+3.1042	+ 13	+ 2 48 10.55	+17.819	+ 19
66	β Arietis	2.7	A 5	1 50 19.608	+3.3097	+ 65	+20 25 38.39	+17.658	—109
67	ψ Phoenicis	4.5	M b	1 50 31.186	+2.4060	— 95	—46 41 4.09	+17.658	—101
68	χ Eridani	3.6	G 5	1 52 55.331	+2.3350	+ 712	—51 59 49.25	+17.931	+270
69	[η² Hydri]	4.7	K	1 52 57.359	+1.5173	+ 119	—68 1 50.53	+17.739	+ 79
72	α Hydri	2.9	F	1 56 18.690	+1.8900	+ 361	—61 56 56.85	+17.540	+ 21
71	υ Ceti	3.9	M a	1 56 19.786	+2.8265	+ 91	—21 27 18.84	+17.504	— 14
70	50 Cassiopeiae	4.0	A	1 56 44.371	+5.0745	— 91	+72 2 41.25	+17.525	+ 25
73	γ Androm.	2.1	K p	1 59 6.207	+3.6736	+ 43	+41 57 21.85	+17.345	— 54
74	α Arietis	2.0	K 2	2 2 46.297	+3.3773	+ 137	+23 5 39.49	+17.094	—143
75	β Trianguli	3.0	A 5	2 4 53.747	+3.5632	+ 122	+34 37 8.56	+17.102	— 40
76	55 Cassiopeiae	6.3	F	2 8 20.338	+4.6780	— 10	+66 9 35.30	+16.986	+ 3
77	[6 Persei]	5.7	G 5	2 8 24.415	+3.9772	+ 367	+50 42 15.24	+16.811	—169
78	Lac. μ Forn.	5.2	A	2 9 28.419	+2.6427	+ 13	—31 5 21.33	+16.933	+ 2
79	[γ Trianguli]	4.2	A	2 12 40.264	+3.5601	+ 37	+33 29 14.12	+16.736	— 44
80	67 Ceti	5.8	A	2 13 5.492	+2.9910	+ 55	— 6 46 51.66	+16.650	—110

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ' "	"	
82	[φ Eridani]	3.5	B 8	2 13 43.329	+2.1429	+ 81	−51 52 22.52	+16.693	− 36
81	[ϑ Arietis]	5.7	A	2 13 46.975	+3.3332	− 10	+19 32 27.59	+16.724	− 2
83	[κ Fornacis]	5.4	F	2 18 58.402	+2.7451	+ 142	−24 10 12.88	+16.409	− 63
84	[λ Horologii]	5.5	F	2 22 43.005	+1.6766	− 95	−60 39 38.81	+16.145	−137
85	ξ² Ceti	4.2	A	2 24 0.555	+3.1873	+ 26	+ 8 6 40.16	+16.212	− 4
86	[κ Eridani]	4.1	B 5	2 24 7.492	+2.1979	− 2	−48 3 13.01	+16.188	− 23
88	[λ¹ Fornacis]	6.0	K	2 29 51.782	+2.4994	− 43	−34 59 33.59	+15.878	− 32
87	36 H. Cassiop.	5.4	K	2 30 34.814	+5.6519	− 60	+72 28 42.36	+15.893	+ 21
90	μ Hydri	5.5	K	2 33 17.253	+1.3292	+ 472	−79 26 59.45	+15.693	− 33
89	ν Arietis	5.6	A	2 34 22.970	+3.4023	− 9	+21 37 29.71	+15.651	− 16
91	δ Ceti	3.9	B 2	2 35 28.949	+3.0733	+ 7	− 0 0 26.13	+15.604	− 2
92	[Br. 366]	6.3	A	2 38 5.433	+5.1278	+ 25	+67 29 40.04	+15.433	− 29
95	[ε Hydri]	4.0	B 9	2 38 23.039	+0.9162	+ 168	−68 36 3.48	+15.451	+ 5
93	ϑ Persei	4.1	G	2 38 51.743	+4.0861	+ 346	+48 53 58.18	+15.331	− 88
94	[35 Arietis]	4.7	B 8	2 38 52.167	+3.5153	+ 4	+27 22 34.00	+15.412	− 7
96	[γ Ceti]	3.4	A	2 39 15.400	+3.1064	− 98	+ 2 54 28.16	+15.249	−148
97	π Ceti	4.0	B 5	2 40 24.571	+2.8543	− 8	−14 11 17.96	+15.323	− 9
98	μ Ceti	4.2	A 5	2 40 43.357	+3.2403	+ 189	+ 9 47 8.12	+15.284	− 31
99	[η Persei]	3.8	K	2 44 59.657	+4.3610	+ 28	+55 34 22.29	+15.060	− 11
100	41 Arietis	3.6	B 8	2 45 23.260	+3.5265	+ 51	+26 56 23.64	+14.935	−113
101	β Fornacis	4.4	K	2 45 49.534	+2.5103	+ 63	−32 43 58.37	+15.182	+159
102	τ² Eridani	4.8	K	2 47 30.000	+2.7206	− 39	−21 19 30.04	+14.896	− 29
103	τ Persei	4.0	G p	2 48 42.972	+4.2400	+ 3	+52 26 39.60	+14.853	− 2
104	η Eridani	3.7	K	2 52 36.943	+2.9298	+ 52	− 9 12 28.31	+14.405	−218
106	ϑ Eridani	2.9	A 2	2 55 18.113	+2.2723	− 67	−40 36 59.63	+14.489	+ 28
105	47 H. Cephei	5.8	K 5	2 55 38.872	+7.8800	− 113	+79 6 45.37	+14.462	+ 22
107	α Ceti	2.5	M a	2 58 11.980	+3.1339	− 9	+ 3 47 4.32	+14.209	− 76
108	γ Persei	3.0	G p	2 59 8.141	+4.3314	+ 2	+53 12 7.57	+14.224	− 4
109	ρ Persei	(3.8)	M b	3 0 10.285	+3.8374	+ 114	+38 32 20.66	+14.060	−103
110	μ Horologii	5.1	F	3 1 46.306	+1.4091	− 117	−60 2 23.89	+13.996	− 68
113	[ϑ Hydri]	5.7	A	3 2 4.947	+0.1069	+ 51	−72 12 25.11	+14.067	+ 22
111	β Persei	(2.2)	B 8	3 3 5.198	+3.8958	+ 7	+40 39 22.33	+13.981	− 1
112	[ι Persei]	4.1	G	3 3 25.678	+4.3179	+1296	+49 18 59.20	+13.878	− 82
114	δ Arietis	4.3	K	3 7 9.898	+3.4269	+ 106	+19 25 57.61	+13.720	− 4
117	12 Eridani	3.6	F 8	3 8 45.381	+2.5468	+ 241	−29 17 38.00	+14.266	+644
116	[94 Ceti]	5.2	F	3 8 47.523	+3.0609	+ 136	− 1 29 13.27	+13.559	− 61
115	48 H. Cephei	5.9	A	3 10 21.783	+7.5235	+ 183	+77 27 1.36	+13.475	− 44
118	[Horol. 38 G.]	6.1	N	3 10 34.369	+1.5154	− 5	−57 36 48.08	+13.499	− 6
119	[e Eridani]	4.2	G 5	3 16 48.793	+2.3957	+2786	−43 22 3.46	+13.830	+733
120	α Persei	1.9	F 5	3 18 44.681	+4.2723	+ 29	+49 35 5.13	+12.943	− 26

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
121	o Tauri	3.6	G 5	3h 20m 36s.794	+3s.2264	— 44	+ 8° 45′ 18″.96	+12″.768	— 76
122	2 H. Camelop.	4.4	B 9	3 22 44.304	+4.8398	— 1	+59 40 11.92	+12.706	+ 6
123	[ξ Tauri]	3.6	B 8	3 22 56.351	+3.2491	+ 39	+ 9 27 41.62	+12.642	— 45
124	[σ Persei]	4.8	K	3 25 4.018	+4.2204	+ 9	+47 43 37.91	+12.566	+ 23
125	*f* Tauri	4.1	K	3 26 33.825	+3.3096	+ 13	+12 40 12.94	+12.435	— 4
126	[κ Reticuli]	4.8	F 5	3 28 0.511	+1.0384	+514	—63 12 44.21	+12.702	+361
127	ε Eridani	3.5	K	3 29 15.281	+2.8258	—658	— 9 43 17.54	+12.267	+ 13
128	[Horol. 45 G.]	5.8	K	3 30 14.952	+1.7839	+ 48	—50 38 34.00	+12.266	+ 80
130	[*y* Eridani]	4.5	K	3 34 17.674	+2.1517	— 16	—40 31 47.44	+11.878	— 24
129	[Gr. 716]	5.4	M b	3 35 22.226	+5.1851	— 21	+62 57 55.69	+11.849	+ 22
131	δ Persei	3.0	B 5	3 37 21.802	+4.2626	+ 33	+47 32 21.87	+11.651	— 35
133	[δ Fornacis]	4.9	B 5	3 39 8.711	+2.3851	— 5	—32 11 12.90	+11.566	+ 7
132	[o Persei]	3.9	B 1	3 39 25.356	+3.7575	+ 8	+32 2 31.95	+11.522	— 17
135	[δ Eridani]	3.4	K	3 39 30.626	+2.8731	— 64	—10 1 35.58	+12.280	+747
134	ν Persei	3.9	F 5	3 39 53.300	+4.0690	— 6	+42 20 0.08	+11.501	— 5
136	[17 Tauri]	4.0	B 5	3 40 14.396	+3.5592	+ 17	+23 52 9.09	+11.437	— 44
137	[24 Eridani]	5.4	B 8	3 40 32.697	+3.0459	+ 1	— 1 24 29.74	+11.450	— 8
138	5 H. Camelop.	4.5	A	3 42 5.808	+6.2933	+ 42	+71 5 37.82	+11.307	— 40
139	η Tauri	3.0	B 5	3 42 50.656	+3.5630	+ 18	+23 51 54.01	+11.245	— 48
141	β Reticuli	3.8	K	3 43 12.955	+0.7445	+477	—65 3 8.24	+11.328	+ 62
140	τ⁶ Eridani	4.1	F 8	3 43 29.461	+2.5799	—123	—23 28 45.34	+10.727	—519
142	[27 Tauri]	3.8	B 8 p	3 44 31.225	+3.5639	+ 14	+23 48 57.59	+11.127	— 45
143	*g* Eridani	4.1	K	3 46 32.096	+2.2449	— 40	—36 26 8.88	+10.973	— 52
146	γ Hydri	3.1	M a	3 48 25.806	—0.9551	+123	—74 28 42.41	+10.995	+109
144	ζ Persei	2.9	B 1	3 49 13.477	+3.7670	+ 11	+31 39 11.36	+10.816	— 11
145	9 H. Camelop.	5.5	K	3 50 28.370	+5.0986	— 3	+60 52 54.80	+10.718	— 16
147	ε Persei	3.0	B	3 52 36.838	+4.0203	+ 23	+39 47 8.82	+10.548	— 29
148	ξ Persei	4.0	Oe 5	3 53 53.957	+3.8883	+ 10	+35 34 4.43	+10.473	— 8
149	γ Eridani	3.0	K 5	3 54 23.351	+2.7983	+ 42	—13 43 46.50	+10.333	—112
150	λ Tauri	(3.5)	B 3	3 56 21.371	+3.3217	— 5	+12 16 15.49	+10.284	— 13
151	ν Tauri	3.9	A	3 59 0.307	+3.1899	+ 4	+ 5 46 25.76	+10.088	— 10
153	[Erid. 174 G.]	5.7	A 8	4 2 24.491	+2.4720	+148	—27 51 51.91	+ 9.947	+108
152	*c* Persei	4.0	B 3 p	4 2 59.537	+4.3487	+ 33	+47 30 20.19	+ 9.763	— 32
154	o¹ Eridani	4.1	F 5	4 8 3.416	+2.9278	+ 8	— 7 2 24.18	+ 9.488	+ 82
155	α Horologii	3.7	K	4 11 24.892	+1.9857	+ 20	—42 29 10.16	+ 8.927	—219
156	α Reticuli	3.2	G 5	4 13 24.927	+0.7667	+ 50	—62 40 7.62	+ 9.037	+ 47
157	[γ Doradus]	4.2	F 5	4 13 58.791	+1.5683	+ 88	—51 40 58.71	+ 9.117	+172
160	υ⁴ Eridani	3.3	B 9	4 14 56.458	+2.2685	+ 37	—33 59 17.17	+ 8.858	— 12
158	[54 Persei]	5.3	G 5	4 15 20.489	+3.8914	— 20	+34 22 46.86	+ 8.833	— 6
159	[γ Tauri]	3.7	G	4 15 21.121	+3.4122	+ 82	+15 26 25.17	+ 8.809	— 29

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161	[Erid. 212 G.]	5.4	A	4h 17m 14s.882	+2s.6183	+ 36	−20° 49′ 28″.60	+8″.704	+ 15
162	δ Tauri	3.8	K	4 18 26.044	+3.4580	+ 78	+17 21 38.46	+8.564	− 31
163	[η Reticuli]	5.3	G 5	4 21 2.495	+0.6436	+127	−63 34 17.06	+8.549	+160
166	[δ Mensae]	5.8	K	4 23 12.574	−4.1224	+ 98	−80 23 52.36	+8.288	+ 72
164	ε Tauri	3.5	K	4 24 3.582	+3.5014	+ 80	+19 0 30.99	+8.113	− 35
165	[1 Camel. seq.]	6.3	B 1	4 25 50.698	+4.7438	+ 7	+53 44 34.30	+8.006	0
167	[δ Caeli]	5.2	B 3	4 28 26.671	+1.8359	− 6	−45 7 14.51	+7.780	− 17
168	α Tauri	1	K 5	4 31 26.564	+3.4408	+ 49	+16 21 13.07	+7.366	−189
171	α Doradus	3.2	A p	4 32 18.647	+1.2958	+ 71	−55 12 20.22	+7.487	+ 3
169	ν Eridani	3.8	B 2	4 32 25.229	+2.9969	+ 2	− 3 30 39.43	+7.471	− 4
170	[υ² Eridani]	3.5	K	4 32 31.015	+2.3312	− 46	−30 43 16.17	+7.461	− 6
172	53 Eridani	3.9	K	4 34 36.422	+2.7465	− 54	−14 27 20.36	+7.133	−164
174	τ Tauri	4.2	A	4 37 33.678	+3.5993	+ 5	+22 48 30.55	+7.037	− 19
173	Gr. 848	6.2	A	4 38 18.500	+8.0332	+106	+75 48 6.98	+6.861	−134
175	4 Camelop.	5.5	A	4 41 29.911	+4.9892	+ 61	+56 37 13.20	+6.587	−146
176	[μ Eridani]	3.8	B 5	4 41 36.083	+2.9994	+ 13	− 3 23 47.84	+6.712	− 12
177	[μ Mensae]	5.5	A	4 43 50.193	−0.6096	+ 17	−71 4 27.26	+6.568	+ 28
178	9 Camelop.	4.3	B	4 46 17.028	+5.9494	+ 5	+66 12 44.20	+6.346	+ 10
179	[π⁴ Orionis]	3.7	B 3	4 47 3.019	+3.1944	0	+ 5 28 21.83	+6.266	− 7
180	π⁵ Orionis	3.7	B 3	4 50 11.220	+3.1241	− 2	+ 2 18 50.29	+6.009	− 3
181	ι Aurigae	2.7	K 2	4 51 54.688	+3.9050	+ 10	+33 2 38.16	+5.848	− 20
183	ε Aurigae	(3.2)	F 5 p	4 56 22.087	+4.3019	+ 6	+43 42 33.49	+5.481	− 14
182	10 Camelop.	4.1	G	4 56 28.341	+5.3288	− 1	+60 19 48.39	+5.474	− 12
184	ι Tauri	4.8	A 5	4 58 25.910	+3.5851	+ 53	+21 28 47.27	+5.278	− 43
185	η Aurigae	3.3	B 3	5 1 2.515	+4.2047	+ 33	+41 7 49.51	+5.029	− 71
186	ε Leporis	3.2	K 5	5 2 9.523	+2.5394	+ 20	−22 28 29.64	+4.938	− 68
187	[η² Pictoris]	5.1	K 5	5 2 56.565	+1.5501	+ 35	−49 40 58.11	+4.945	+ 6
188	β Eridani	2.7	A 2	5 4 0.867	+2.9491	− 59	− 5 11 10.50	+4.769	− 79
189	[ζ Doradus]	4.7	F 8	5 4 10.186	+1.0238	− 71	−57 34 44.24	+4.938	+103
190	[λ Eridani]	4.2	B 2	5 5 24.779	+2.8708	+ 3	− 8 51 11.19	+4.725	− 4
192	μ Aurigae	5.1	A 3	5 8 5.290	+4.1033	− 13	+38 23 36.60	+4.423	− 79
191	19 H. Camelop.	5.1	F 8	5 9 40.193	+9.8431	−313	+79 8 42.19	+4.528	+160
194	β Orionis	1	B 8 p	5 10 47.303	+2.8827	+ 2	− 8 17 26.65	+4.271	0
193	α Aurigae	1	G	5 10 55.441	+4.4297	+ 85	+45 55 12.78	+3.832	−428
196	ϑ Doradus	4.8	K	5 13 48.788	−0.0516	+ 14	−67 16 23.01	+4.051	+ 39
195	[τ Orionis]	3.7	B 5	5 13 49.089	+2.9125	− 12	− 6 55 39.61	+4.005	− 7
197	[o Columbae]	4.9	K	5 14 40.215	+2.1626	+ 63	−34 58 14.16	+3.610	−328
198	[Columb. 12 G.]	6.0	A	5 16 17.147	+2.3920	+ 8	−27 26 53.66	+3.789	− 11
199	[ζ Pictoris]	5.6	F 5	5 17 27.210	+1.4696	+ 9	−50 41 21.36	+3.927	+227
200	[η Orion. m.]	3.3	B 1	5 20 33.290	+3.0165	+ 5	− 2 28 4.15	+3.434	+ 1

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201	γ Orionis	1.7	B 2	5h 20m 56s.800	+3s.2174	— 3	+ 6° 16′ 48″.25	+3″.379	— 20
202	β Tauri	1.8	B 8	5 21 21.591	+3.7919	+ 25	+28 32 34.48	+3.187	—177
203	17 Camelop.	5.9	M a	5 22 47.871	+5.6610	— 3	+63 0 14.63	+3.238	— 1
204	[β Leporis]	2.9	G	5 24 54.196	+2.5709	+ 4	—20 49 14.86	+2.965	— 93
206	δ Orionis	2.2	B	5 28 1.246	+3.0645	0	— 0 21 20.89	+2.786	— 2
205	Gr. 966	6.6	F	5 29 17.086	+8.0127	— 8	+74 59 42.01	+2.699	+ 20
207	α Leporis	2.6	F	5 29 17.365	+2.6458	+ 2	—17 52 37.95	+2.680	+ 2
208	[φ¹ Orionis]	4.6	B	5 30 32.254	+3.2930	— 1	+ 9 26 16.22	+2.560	— 10
209	ι Orionis	2.8	Oe 5	5 31 37.029	+2.9348	+ 5	— 5 57 36.45	+2.472	— 4
210	ε Orionis	1.6	B	5 32 15.288	+3.0439	+ 1	— 1 15 2.47	+2.418	— 3
212	β Doradus	3.7	F 5	5 32 56.763	+0.5178	— 13	—62 32 26.39	+2.359	— 2
211	ζ Tauri	3.0	B 3	5 32 58.936	+3.5853	+ 6	+21 5 46.34	+2.332	— 26
213	[σ Orionis]	3.8	B	5 34 49.780	+3.0114	0	— 2 38 38.55	+2.196	— 1
214	[γ Mensae]	5.3	K	5 34 57.794	—2.3889	+280	—76 23 50.35	+2.484	+298
215	α Columbae	2.4	B 5 p	5 36 49.409	+2.1720	— 1	—34 6 54.09	+1.986	— 37
216	ο Aurigae	5.7	A	5 39 51.386	+4.6470	— 6	+49 47 37.54	+1.751	— 9
217	[γ Leporis]	3.8	F 8	5 41 12.711	+2.5017	—201	—22 28 22.79	+1.266	—376
218	[130 Tauri]	5.8	A	5 42 53.303	+3.4984	+ 4	+17 42 4.14	+1.489	— 6
219	ζ Leporis	3.5	A 2	5 43 25.238	+2.7182	— 12	—14 51 0.18	+1.447	— 2
220	κ Orionis	2.1	B	5 44 3.405	+2.8453	+ 4	— 9 41 46.78	+1.390	— 3
221	[ν Aurigae]	3.9	K	5 46 4.970	+4.1574	— 4	+39 7 37.77	+1.228	+ 11
222	[δ Leporis]	3.8	K	5 47 57.997	+2.5801	+165	—20 53 5.45	+0.399	—653
223	[β Columbae]	2.9	K	5 48 12.527	+2.1137	+ 34	—35 47 48.62	+1.435	+404
224	α Orionis	1	M a	5 50 56.911	+3.2481	+ 20	+ 7 23 37.46	+0.805	+ 13
226	[η Leporis]	3.6	F 5	5 52 51.121	+2.7326	— 27	—14 10 51.45	+0.765	+140
225	δ Aurigae	3.8	K	5 53 6.265	+4.9403	+100	+54 16 49.82	+0.481	—122
227	β Aurigae	1.9	A p	5 53 48.440	+4.4017	— 42	+44 56 27.73	+0.534	— 8
228	ϑ Aurigae	2.7	A p	5 54 24.145	+4.0920	+ 49	+37 12 30.73	+0.402	— 87
229	η Columbae	3.9	K	5 56 45.546	+1.8368	+ 22	—42 49 8.43	+0.250	— 34
230	[66 Orionis]	5.9	K	6 0 51.055	+3.1695	— 6	+ 4 9 50.73	—0.089	— 15
231	[Puppis 1 G.]	5.8	F 5 p	6 2 13.700	+1.7265	— 83	—45 2 8.55	+0.037	+232
232	ν Orionis	4.4	B 2	6 3 7.120	+3.4263	+ 11	+14 46 44.00	—0.304	— 31
233	[36 Camelop.]	5.6	K	6 5 0.224	+6.0362	— 5	+65 44 9.82	—0.467	— 29
235	[δ Pictoris]	5.0	B 1	6 8 46.688	+1.1669	— 22	—54 57 3.22	—0.775	— 7
236	η Geminor.	3.3	M a	6 10 10.178	+3.6224	— 42	+22 31 50.64	—0.902	— 13
234	22 H. Camelop.	4.6	A	6 10 15.268	+6.6166	+ 16	+69 20 58.98	—0.999	—102
239	[α Mensae]	5.1	K	6 12 33.649	—1.7901	+236	—74 43 37.20	—1.324	—226
237	[2 Lyncis]	4.4	A	6 12 44.562	+5.2963	— 7	+59 2 27.96	—1.085	+ 29
238	[κ Columbae]	4.4	K	6 13 46.603	+2.1342	— 6	—35 6 49.92	—1.130	+ 74
240	ζ Canis maj.	2.9	B 3	6 17 19.089	+2.3027	+ 2	—30 1 40.24	—1.509	+ 4

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				h m s	s		° ′ ″	″	
241	μ Geminor.	2.9	M a	6 18 14.540	+ 3.6308	+ 48	+22 33 17.83	−1.705	− 111
242	ψ¹ Aurigae	5.1	K	6 18 53.567	+ 4.6235	+ 9	+49 19 45.76	−1.654	− 3
243	β Canis maj.	2.0	B 1	6 19 15.862	+ 2.6418	− 4	−17 54 58.39	−1.681	+ 2
244	8 Monocer.	4.5	A 5	6 19 38.110	+ 3.1800	− 7	+ 4 38 0.82	−1.711	+ 4
245	α Argus	1	F	6 22 13.151	+ 1.3314	+ 16	−52 39 9.34	−1.929	+ 11
246	10 Monocer.	5.0	B 3	6 24 6.475	+ 2.9630	− 2	− 4 42 46.37	−2.099	+ 5
247	8 Lyncis	6.3	F	6 30 33.956	+ 5.4889	−284	+61 33 5.89	−2.943	− 277
249	ξ² Canis maj.	4.6	A	6 31 47.213	+ 2.5142	+ 5	−22 54 7.62	−2.758	+ 13
248	23 H.Camelop.	5.6	F 8	6 32 56.973	+10.2876	−284	+79 39 8.72	−3.494	− 622
251	γ Geminor.	2.0	A	6 33 12.396	+ 3.4671	+ 34	+16 28 1.44	−2.940	− 46
250	51 Aurigae	6.1	K	6 33 15.332	+ 4.1594	− 18	+39 27 39.70	−3.013	− 114
252	ν Argus	3.1	B 8	6 35 22.451	+ 1.8355	− 4	−43 7 37.27	−3.102	− 20
253	*S* Monocer.	(4.4)	Oe 5	6 36 40.990	+ 3.3052	+ 6	+ 9 58 8.58	−3.200	− 5
254	ε Geminor.	3.1	G 5	6 39 8.077	+ 3.6931	+ 3	+25 12 34.80	−3.421	− 15
256	ξ Geminor.	3.4	F 5	6 40 54.742	+ 3.3684	− 75	+12 58 51.00	−3.759	− 199
255	[ψ⁵ Aurigae]	5.5	F 5	6 41 7.188	+ 4.3281	+ 6	+43 39 23.33	−3.423	+ 154
257	α Canis maj.[1])	1	A	6 41 42.755	+ 2.6438	−370	−16 36 29.53	−4.840	−1212
258	18 Monocer.	4.7	K	6 43 47.678	+ 3.1298	− 2	+ 2 29 54.75	−3.827	− 20
259	[43 Camelop.]	5.1	B 5	6 45 18.210	+ 6.4845	+ 16	+68 58 52.21	−3.934	+ 3
264	[ζ Mensae]	5.7	A 2	6 46 33.824	− 4.9521	− 36	−80 43 57.82	−3.959	+ 85
262	α Pictoris	3.2	A 5	6 47 23.523	+ 0.6177	−100	−61 51 26.50	−3.860	+ 256
261	ϑ Geminor.	3.4	A 2	6 47 39.009	+ 3.9573	+ 7	+34 3 23.85	−4.193	− 55
263	[τ Argus]	2.9	K	6 48 0.023	+ 1.4888	+ 29	−50 31 16.89	−4.263	− 96
260	[24 H. Camel.]	4.6	K 5	6 48 42.815	+ 8.7886	+217	+77 4 47.15	−4.242	− 13
265	15 Lyncis	4.6	K	6 50 31.665	+ 5.2029	0	+58 31 36.55	−4.514	− 130
266	ϑ Canis maj.	4.1	K 5	6 50 33.963	+ 2.7876	− 94	−11 56 23.83	−4.400	− 13
267	[ι Volantis]	5.4	B 8	6 52 20.825	− 0.6795	− 4	−70 51 59.32	−4.527	+ 12
268	ε Canis maj.	1.5	B 1	6 55 33.579	+ 2.3576	0	−28 51 54.34	−4.811	+ 1
269	ζ Geminor.	(3.8)	G	6 59 29.052	+ 3.5604	0	+20 41 9.51	−5.147	− 3
270	[o² Canis maj.]	3.1	B 5 p	6 59 46.040	+ 2.5053	− 2	−23 43 6.50	−5.168	0
271	γ Canis maj.	4.0	B 5	7 0 13.805	+ 2.7152	+ 8	−15 31 1.64	−5.220	− 12
272	[Carinae 27 G.]	5.5	A	7 2 51.017	+ 1.1171	− 24	−56 37 51.21	−5.436	− 7
273	δ Canis maj.	1.9	F 8 p	7 5 13.150	+ 2.4390	− 8	−26 16 6.67	−5.624	+ 3
274	63 Aurigae	5.0	K	7 6 17.608	+ 4.1312	+ 45	+39 26 57.17	−5.717	0
275	[*J* Puppis]	4.5	F	7 10 20.132	+ 1.7095	−148	−46 37 42.56	−5.965	+ 90
276	[64 Aurigae]	6.0	A	7 12 37.031	+ 4.1772	− 3	+41 1 23.48	−6.242	+ 3
277	λ Geminor.	3.6	A 2	7 13 36.704	+ 3.4497	− 31	+16 40 55.99	−6.372	− 44
278	π Argus	2.5	K 5	7 14 23.232	+ 2.1185	− 14	−36 57 24.13	−6.390	+ 3
279	δ Geminor.	3.3	F	7 15 28.001	+ 3.5859	− 11	+22 7 38.07	−6.492	− 10
280	19 Lync. seq.	5.5	B 8	7 16 30.576	+ 4.9049	− 1	+55 25 47.99	−6.603	− 34

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
281	δ Volantis	4.0	F 5	7ʰ 16ᵐ 52ˢ.530	−0ˢ.0211	+ 4	−67° 48′ 52″.35	− 6″.611	− 12
282	ι Geminor.	3.8	K	7 20 53.094	+3.7299	− 83	+27 57 15.82	− 7.014	− 85
283	[η Can. maj.]	2.4	B 5 p	7 21 0.575	+2.3730	− 5	−29 9 0.03	− 6.926	+ 13
284	Gr. 1308	5.8	G 8	7 22 46.710	+6.2664	− 7	+68 37 37.35	− 7.127	− 44
285	β Canis min.	2.9	B 8	7 22 55.319	+3.2552	− 31	+ 8 26 51.37	− 7.136	− 41
286	ρ Geminor.	4.4	F	7 24 5.833	+3.8626	+122	+31 56 27.60	− 7.009	+ 183
287	α Gemin.[2])	1.8,2.8	A	7 29 37.453	+3.8337	−129	+32 3 40.51	− 7.722	− 81
288	[Pupp. 108 G.]	4.7	F 8	7 30 42.820	+2.5675	− 39	−22 7 37.23	− 7.711	+ 18
289	25 Monocer.	5.3	F 5	7 33 24.039	+2.9836	− 47	− 3 56 8.95	− 7.925	+ 20
290	[f Puppis]	4.7	B 8	7 34 28.894	+2.2193	− 27	−34 47 32.27	− 8.015	+ 16
291	α Can. min.[3])	0.5	F 5	7 35 13.191	+3.1420	−469	+ 5 25 33.57	− 9.119	−1028
292	24 Lyncis	5.0	A 5	7 36 24.999	+5.0897	− 47	+58 53 40.23	− 8.240	− 53
293	[26 Monocer.]	4.0	K	7 37 31.225	+2.8662	− 57	− 9 22 5.66	− 8.296	− 21
294	κ Geminor.	3.4	G 5	7 39 44.488	+3.6257	− 15	+24 35 10.49	− 8.505	− 54
295	β Geminor.	1.1	K	7 40 32.748	+3.6751	−468	+28 12 56.87	− 8.568	− 53
296	π Geminor.	5.5	K	7 42 28.871	+3.8735	− 1	+33 36 30.18	− 8.698	− 31
297	ζ Volantis	3.9	K	7 42 47.200	−0.7268	+ 8	−72 25 8.37	− 8.684	+ 8
298	[Pupp. 205 G.]	5.7	F 8	7 48 9.615	+2.7787	− 41	−13 41 24.64	− 9.455	− 343
299	[26 Lyncis]	5.7	K	7 49 2.328	+4.3774	− 40	+47 46 5.39	− 9.188	− 6
301	[α Puppis]	3.7	G 5	7 49 32.106	+2.0620	− 18	−40 22 26.10	− 9.219	+ 1
300	Gr. 1374	5.5	K	7 50 53.373	+7.2303	− 30	+74 7 42.92	− 9.357	− 32
303	χ Argus	3.5	B 3	7 54 47.790	+1.5268	− 32	−52 46 20.93	− 9.602	+ 24
302	[53 Camelop.]	6.3	A	7 55 3.497	+5.1435	− 30	+60 32 21.32	− 9.667	− 21
304	[27 Monocer.]	5.2	K	7 55 50.440	+2.9992	− 27	− 3 27 57.12	− 9.697	+ 9
305	χ Geminor.	5.1	K	7 58 43.860	+3.6890	− 15	+28 0 51.04	− 9.972	− 46
306	ζ Argus	2.2	O d	8 0 50.504	+2.1078	− 34	−39 46 57.87	−10.076	+ 10
307	27 Lyncis	4.6	A 2	8 2 35.893	+4.5243	− 59	+51 43 58.49	−10.223	− 4
308	ι Navis	2.8	F 5	8 4 13.306	+2.5548	− 64	−24 4 43.17	−10.294	+ 47
309	γ Argus	2.1	O a p	8 7 7.689	+1.8488	− 12	−47 6 22.18	−10.562	− 4
311	20 Navis	5.3	K	8 9 44.881	+2.7580	− 8	−15 33 8.59	−10.758	− 6
310	Br. 1147	5.8	G	8 9 47.008	+7.6007	+ 58	+75 59 50.33	−10.737	+ 17
312	β Cancri	3.5	K 2	8 12 17.215	+3.2557	− 30	+ 9 25 36.89	−10.990	− 52
313	[q Puppis]	4.4	A 5	8 15 38.042	+2.2442	−104	−36 25 0.88	−11.094	+ 89
314	31 Lyncis	4.4	K	8 17 30.127	+4.1164	− 8	+43 26 22.15	−11.426	− 108
315	ε Argus	1.7	K p	8 20 54.921	+1.2342	− 32	−59 15 28.83	−11.548	+ 15
316	Br. 1197	3.6	A	8 21 45.844	+2.9992	− 41	− 3 39 3.75	−11.644	− 21
318	ϑ Chamael.	4.2	K	8 23 0.307	−1.7594	−457	−77 14 0.13	−11.681	+ 30
317	o Ursae maj.	3.3	G	8 23 47.882	+5.0054	−174	+60 58 49.36	−11.878	− 111
319	[β Volantis]	3.7	K	8 24 53.589	+0.6600	− 54	−65 52 35.22	−12.022	− 177
320	Gr. 1450	6.3	K p	8 27 51.072	+3.9073	− 83	+38 17 6.16	−12.223	− 170

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321	η Cancri	5.6	K	8ʰ 28ᵐ 12ˢ.075	+3ˢ.4734	— 26	+20° 42′ 25″.67	—12″.128	— 50
322	[Gr. 1446]	6.4	G 5	8 31 4.329	+6.7300	— 36	+73 54 15.21	—12.381	—104
323	[Gr. 1460]	6.3	F 5	8 33 31.405	+4.4584	— 38	+52 59 10.09	—12.481	— 35
324	[e Velorum]	4.2	A 5	8 34 54.001	+2.1080	— 22	—42 42 56.45	—12.547	— 7
325	[6 Hydrae]	5.4	K	8 36 19.728	+2.8421	— 64	—12 11 55.78	—12.640	— 3
326	δ Cancri	3.9	K	8 40 15.315	+3.4129	— 9	+18 26 30.84	—13.138	—236
327	α Pyxidis	3.7	B 2	8 40 27.436	+2.4100	— 15	—32 54 16.14	—12.904	+ 12
328	ι Cancri	4.1	G 5	8 41 58.884	+3.6360	— 12	+29 2 46.34	—13.064	— 47
330	δ Argus	2.0	A	8 42 33.002	+1.6573	+ 22	—54 25 20.44	—13.148	— 93
329	[ε Hydrae]	3.3	F 8	8 42 38.831	+3.1794	— 126	+ 6 42 21.19	—13.112	— 50
331	[η Chamael.]	5.9	K	8 44 0.529	—1.9806	— 151	—78 40 50.29	—13.117	+ 34
332	[γ Pyxidis]	4.2	K 2	8 47 13.273	+2.5460	— 100	—27 25 11.18	—13.269	+ 93
333	[σ² Cancri med.]	5.6	G 5	8 49 29.404	+3.6661	+ 31	+30 52 32.63	—13.535	— 26
334	ζ Hydrae	3.1	K	8 51 16.340	+3.1735	— 64	+ 6 14 35.73	—13.612	+ 12
336	c Carinae	4.0	B 8	8 53 16.887	+1.3624	— 26	—60 20 45.69	—13.701	+ 52
335	ι Ursae maj.	2.9	A 5	8 53 52.553	+4.1195	— 437	+48 20 56.01	—14.038	—247
337	α Cancri	4.1	A 5	8 54 13.415	+3.2840	+ 26	+12 9 37.91	—13.848	— 35
338	[ρ Ursae maj.]	4.9	M a	8 55 32.102	+5.4454	— 34	+67 56 5.88	—13.880	+ 15
339	10 Ursae maj.	3.9	F 5	8 55 35.030	+3.9043	— 383	+42 5 33.09	—14.163	—264
340	[Gr. 1501]	5.9	A 2	8 58 18.156	+4.4110	— 8	+54 35 32.78	—14.066	+ 3
341	κ Ursae maj.	3.3	A	8 58 18.519	+4.1076	— 27	+47 27 57.63	—14.134	— 65
343	α Volantis	4.1	A 5	9 1 13.145	+0.9526	— 8	—66 5 4.48	—14.363	—114
342	[c Velorum]	3.9	K	9 1 27.723	+2.0664	— 70	—46 47 12.34	—14.292	— 28
344	σ² Ursae maj.	4.9	F 8	9 3 33.134	+5.3115	— 16	+67 27 9.35	—14.459	— 67
345	λ Argus	2.1	K 5	9 5 7.501	+2.2046	— 33	—43 7 1.43	—14.478	+ 9
346	[36 Lyncis]	5.3	B 8	9 8 42.583	+3.9341	— 18	+43 32 24.77	—14.745	— 42
347	ϑ Hydrae	3.9	A	9 10 18.460	+3.1232	+ 89	+ 2 38 38.78	—15.110	—313
348	β Argus	1.7	A	9 12 21.029	+0.6681	— 303	—69 23 44.70	—14.820	+ 97
349	[38 Lyncis]	3.9	A	9 13 59.799	+3.7414	— 18	+37 8 0.80	—15.142	—129
350	83 Cancri	6.7	G	9 14 37.862	+3.3522	— 80	+18 2 12.52	—15.185	—135
351	[ι Argus]	2.2	F	9 15 0.099	+1.6059	— 35	—58 56 51.17	—15.069	+ 2
352	40 Lyncis	3.2	K 5	9 16 18.512	+3.6616	— 178	+34 43 23.62	—15.134	+ 12
353	κ Argus	2.5	B 3	9 19 41.807	+1.8565	— 22	—54 40 37.51	—15.337	+ 2
354	α Hydrae	2.0	K 2	9 23 45.303	+2.9489	— 7	— 8 19 11.30	—15.532	+ 32
355	h Ursae maj.	3.5	F	9 25 23.890	+4.7566	+ 168	+63 24 14.37	—15.626	+ 28
356	[ε Antliae]	4.7	K 2	9 26 1.468	+2.4746	— 25	—35 36 34.90	—15.703	— 14
357	d Ursae maj.	4.5	G	9 27 36.862	+5.3476	— 120	+70 10 27.79	—15.700	+ 75
359	ψ Argus	3.6	F 5	9 27 37.566	+2.3607	— 172	—40 7 28.59	—15.701	+ 74
358	ϑ Ursae maj.	3.1	F 8	9 27 39.043	+4.0264	—1027	+52 2 1.26	—16.323	—546
361	[N Velorum]	3.0	K 5	9 28 51.111	+1.8231	— 36	—56 41 23.09	—15.840	+ 1

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360	10 Leon. min.	4.6	G 5	9ʰ 29ᵐ 27ˢ.066	+3ˢ.6833	+ 13	+36° 44′ 40″.93	−15″.900	− 26
362	[H. Carinae]	5.8	K	9 31 1.817	+0.4645	− 61	−72 44 5.59	−15.974	− 17
363	[Gr. 1564]	5.9	K	9 35 35.851	+5.1761	−131	+69 35 36.92	−16.269	− 74
364	[ϰ Hydrae]	5.1	B 3	9 36 34.014	+2.8761	− 18	−13 58 39.64	−16.257	− 11
365	[ο Leonis]	3.8	F 5 p	9 36 59.394	+3.2045	− 94	+10 14 52.39	−16.305	− 37
366	ϑ Antliae	5.0	F 2	9 40 43.418	+2.6730	− 40	−27 24 42.40	−16.421	+ 35
367	ε Leonis	3.0	G p	9 41 25.654	+3.4100	− 31	+24 8 2.70	−16.509	− 17
369	υ Argus	3.0	F	9 45 9.177	+1.5009	− 21	−64 42 35.39	−16.676	− 1
368	υ Ursae maj.	3.8	F	9 45 27.480	+4.2868	−379	+59 24 23.40	−16.842	−154
370	6 Sextantis	6.2	A	9 47 18.243	+3.0240	+ 8	− 3 52 37.97	−16.808	− 30
371	[μ Leonis]	4.0	K	9 48 19.885	+3.4166	−162	+26 22 30.09	−16.884	− 56
373	[Hydrae 183 G.]	5.5	M a	9 51 11.475	+2.8301	− 24	−18 38 22.29	−17.028	− 66
372	Gr. 1586	6.3	K	9 51 26.727	+5.4170	−179	+73 15 4.95	−17.019	− 45
374	[19 Leon. min.]	5.2	F	9 52 54.859	+3.6837	−100	+41 25 39.97	−17.069	− 27
375	[φ Argus]	3.7	B 5	9 54 7.321	+2.1035	− 21	−54 11 45.89	−17.099	− 2
377	[η Antliae]	5.3	F 8	9 55 31.346	+2.5715	− 83	−35 31 1.70	−17.185	− 24
376	[12 Sextantis]	6.7	F	9 55 40.397	+3.1133	− 47	+ 3 45 29.94	−17.140	+ 27
378	π Leonis	4.9	M a	9 56 5.604	+3.1724	− 21	+ 8 25 8.59	−17.211	− 25
379	η Leonis	3.4	A p	10 3 4.966	+3.2738	− 2	+17 8 36.91	−17.499	− 6
380	α Leonis	1.3	B 8	10 4 13.213	+3.1977	−167	+12 20 56.20	−17.542	− 1
381	λ Hydrae	3.7	K	10 6 47.136	+2.9251	−134	−11 58 4.77	−17.736	− 87
382	q Velorum	3.9	A 2	10 11 27.475	+2.5136	−154	−41 44 6.01	−17.794	+ 45
385	[ω Argus]	3.4	B 8	10 11 53.264	+1.4326	− 28	−69 39 1.11	−17.856	0
384	ζ Leonis	3.4	F	10 12 21.345	+3.3411	+ 15	+23 48 23.76	−17.882	− 7
383	λ Ursae maj.	3.4	A	10 12 23.999	+3.6278	−148	+43 18 15.87	−17.925	− 49
386	μ Ursae maj.	3.0	K 5	10 17 41.358	+3.5833	− 70	+41 53 32.22	−18.057	+ 24
387	30 H. Urs. maj.	5.0	A	10 18 31.576	+4.3538	− 25	+65 57 41.59	−18.130	− 18
388	[25 Sextantis]	6.2	A	10 19 29.945	+3.0323	− 40	− 3 40 45.95	−18.151	− 2
389	μ Hydrae	3.9	K 5	10 22 19.056	+2.9012	− 85	−16 26 15.67	−18.333	− 82
391	J Carinae	4.1	F 5	10 22 50.968	+1.1944	− 67	−73 38 3.37	−18.288	− 17
390	31 Leon. min.	4.2	K	10 23 22.741	+3.4768	− 96	+37 6 26.74	−18.396	−106
392	Lac. α Antliae	4.2	K 5	10 23 34.833	+2.7428	− 62	−30 40 12.79	−18.287	+ 10
393	s Carinae	4.1	F	10 25 0.700	+2.1968	− 32	−58 20 26.99	−18.362	− 14
394	36 Ursae maj.	4.8	F	10 25 38.809	+3.8555	−216	+56 22 51.94	−18.404	− 33
395	9 H. Dracon.	4.9	K	10 28 30.503	+5.1644	− 96	+76 6 55.86	−18.473	− 4
396	[ρ Leonis]	3.8	B p	10 28 42.346	+3.1609	− 6	+ 9 42 30.35	−18.481	− 5
397	[p Carinae]	3.5	B 5 p	10 29 14.902	+2.1301	− 18	−61 17 1.43	−18.489	+ 5
398	[37 Ursae maj.]	5.2	F	10 30 8.997	+3.8821	+ 83	+57 29 5.64	−18.489	+ 36
399	[44 Hydrae]	5.6	K	10 30 18.222	+2.8525	− 2	−23 20 34.17	−18.509	+ 21
400	[p Velorum]	4.0	F 2	10 34 1.080	+2.5140	−183	−47 49 12.90	−18.684	+ 34

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401	[γ Chamael.]	4.2	M a	10h 34m 33s.602	+0s.7307	−116	−78° 12′ 10″.61	−18″.638	+ 30
402	[x Velorum]	4.4	G	10 36 11.689	+2.3778	− 75	−55 11 48.77	−18.741	− 21
404	33 Sextantis	6.6	K	10 37 26.138	+3.0524	− 94	− 1 19 52.24	−18.884	−125
403	[35 H. Urs.maj.]	5.1	K	10 37 30.323	+4.3288	− 19	+69 29 4.82	−18.778	− 18
405	[41 Leon. min.]	5.2	A 2	10 39 10.716	+3.2663	− 81	+23 35 50.06	−18.799	+ 13
406	ϑ Argus	2.8	B	10 40 10.237	+2.1355	− 26	−63 59 7.69	−18.837	+ 4
407	42 Leon. min.	5.3	B 9	10 41 31.952	+3.3418	− 15	+31 5 36.85	−18.919	− 37
408	μ Argus	2.7	G 5	10 43 24.562	+2.5733	+ 49	−49 0 28.19	−19.001	− 65
411	[δ² Chamael.]	4.7	B 3	10 45 4.294	+0.5945	−120	−80 7 43.06	−18.974	+ 9
409	*l* Leonis	5.4	A	10 45 9.544	+3.1555	− 3	+10 57 29.77	−19.016	− 30
410	[ν Hydrae]	3.2	K	10 45 46.518	+2.9591	+ 66	−15 47 6.64	−18.809	+195
412	[46 Leon. min.]	3.9	K	10 48 57.295	+3.3619	+ 76	+34 38 8.71	−19.372	−282
414	[ι Antliae]	4.9	K	10 53 4.779	+2.7920	+ 62	−36 43 5.54	−19.334	−137
413	[Br. 1508]	6.4	G 2	10 53 45.615	+4.8683	−259	+78 11 18.66	−19.240	− 26
415	*i* Velorum	4.5	A 2	10 56 34.322	+2.7481	+ 20	−41 48 26.23	−19.286	− 4
416	β Ursae maj.	2.3	A	10 57 8.752	+3.6360	+101	+56 48 2.92	−19.270	+ 26
417	α Ursae maj.	1.8	K	10 58 55.685	+3.7220	−174	+62 10 20.56	−19.410	− 72
418	χ Leonis	4.8	F	11 0 59.690	+3.0960	−231	+ 7 45 28.81	−19.430	− 46
419	[χ Hydrae]	4.8	F 5	11 1 34.241	+2.8866	−154	−26 52 20.49	−19.404	− 7
420	ψ Ursae maj.	3.0	K	11 5 17.117	+3.3822	− 57	+44 55 19.01	−19.512	− 36
421	β Crateris	4.3	A 2	11 7 49.175	+2.9484	0	−22 23 58.89	−19.626	− 98
422	δ Leonis	2.4	A 2	11 9 57.775	+3.1942	+106	+20 57 4.61	−19.706	−136
423	ϑ Leonis	3.3	A	11 10 8.937	+3.1504	− 43	+15 51 22.12	−19.654	− 81
424	[Gr. 1757]	6.1	K	11 12 18.555	+3.3909	− 97	+49 54 7.59	−19.635	− 22
425	ν Ursae maj.	3.4	K	11 14 16.229	+3.2466	− 16	+33 31 12.33	−19.626	+ 22
426	δ Crateris	3.6	K	11 15 26.366	+2.9978	− 88	−14 21 22.52	−19.467	+200
427	σ Leonis	4.1	A	11 17 6.922	+3.0946	− 62	+ 6 27 25.31	−19.707	− 12
428	π Centauri	4.1	B 5	11 17 26.637	+2.7282	− 41	−54 3 48.22	−19.714	− 13
429	Gr. 1771	6.2	A	11 18 14.081	+3.5854	− 10	+64 45 27.40	−19.679	+ 35
430	[ι Leonis]	4.0	F 5	11 19 51.554	+3.1285	+106	+10 57 32.38	−19.822	− 84
431	[γ Crateris]	4.0	A 2	11 20 58.996	+2.9953	− 72	−17 15 19.25	−19.749	+ 7
432	[58 Ursae maj.]	6.1	F	11 26 18.254	+3.2548	− 43	+43 36 5.41	−19.757	+ 72
433	λ Draconis	3.6	M a	11 26 47.527	+3.5881	− 80	+69 45 42.17	−19.857	− 21
434	ξ Hydrae	3.6	G 5	11 29 9.704	+2.9465	−167	−31 25 33.26	−19.907	− 43
435	[*C*² Centauri]	5.5	A 5	11 32 8.340	+2.8989	+ 13	−47 12 32.14	−19.944	− 47
436	λ Centauri	3.3	B 9	11 32 10.506	+2.7549	− 58	−62 35 17.31	−19.915	− 17
437	υ Leonis	4.4	K	11 32 57.299	+3.0717	+ 1	− 0 23 34.94	−19.870	+ 36
438	[π Chamael.]	6.1	F	11 34 2.152	+2.4622	−279	−75 27 52.60	−19.921	− 5
439	[ο Hydrae]	4.8	B 8	11 36 20.125	+2.9757	− 30	−34 18 44.09	−19.937	+ 1
440	3 Draconis	5.4	M a	11 38 8.195	+3.3674	− 78	+67 10 36.32	−19.915	+ 49

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
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442	[λ Muscae]	3.7	A 5	11 41 54.962	+2.8176	−153	−66 17 46.73	−19.963	+ 20
441	χ Ursae maj.	3.8	K	11 41 56.299	+3.1771	−133	+48 12 42.89	−19.963	+ 20
443	[Centauri 65 G.]	4.2	G	11 42 43.962	+2.8907	− 25	−60 44 41.15	−20.023	− 35
444	β Leonis	2.1	A 2	11 45 4.955	+3.0619	−341	+15 0 29.30	−20.121	−118
445	β Virginis	3.5	F 8	11 46 37.936	+3.1252	+494	+ 2 12 15.45	−20.287	−276
446	[B Centauri]	4.8	K p	11 47 14.252	+2.9879	−111	−44 44 22.79	−20.060	− 46
447	γ Ursae maj.	2.3	A	11 49 44.139	+3.1663	+107	+54 7 42.23	−20.023	+ 2
448	[ε Chamael.]	5.0	B 9	11 55 43.760	+2.9415	−161	−77 47 14.90	−20.051	− 9
449	[Centauri 88 G.]	5.5	F	11 59 36.747	+3.0974	+267	−41 59 50.39	−20.168	−123
450	o Virginis	4.1	G 5	12 1 14.190	+3.0568	−147	+ 9 9 57.95	−20.007	+ 38
451	[Gr. 1852]	6.0	K	12 1 18.464	+3.0826	+438	+77 20 30.79	−20.141	− 96
452	δ Centauri	2.7	B 3 p	12 4 18.505	+3.0986	− 44	−50 17 16.86	−20.060	− 18
453	ε Corvi	3.0	K	12 6 6.603	+3.0822	− 51	−22 11 9.55	−20.027	+ 11
454	4 H. Draconis	5.0	A 5	12 8 33.819	+2.8392	+ 23	+78 2 58.68	−20.008	+ 23
455	[δ Crucis]	3.0	B 3	12 10 59.618	+3.1715	− 50	−58 18 54.72	−20.049	− 27
456	δ Ursae maj.	3.4	A 2	12 11 34.419	+2.9806	+136	+57 27 57.14	−20.017	+ 3
457	[γ Corvi]	2.4	B 8	12 11 47.529	+3.0827	−112	−17 6 32.18	−20.002	+ 17
458	[2 Can. ven.]	5.9	K 5 p	12 12 13.337	+3.0132	+ 26	+41 5 39.09	−20.062	− 45
459	β Chamael.	4.4	B 5	12 13 44.315	+3.4657	−143	−78 52 45.10	−19.997	+ 12
460	η Virginis	3.7	A	12 15 54.882	+3.0689	− 42	− 0 14 0.41	−20.020	− 23
461	[6 Can. ven.]	5.3	K	12 22 0.608	+2.9606	− 67	+39 27 4.43	−19.989	− 36
462	α Crucis md.	1.0	B 1	12 22 15.147	+3.3190	− 44	−62 40 2.43	−19.982	− 31
463	[Hydr. 323 G.]	5.7	A	12 22 44.743	+3.1553	− 14	−32 23 52.65	−19.996	− 49
464	[σ Centauri]	4.1	B 3	12 23 48.829	+3.2332	− 36	−49 47 55.83	−19.970	− 33
466	20 Comae	6.0	A	12 25 48.258	+3.0167	+ 26	+21 19 40.22	−19.957	− 39
465	δ Corvi	2.8	A	12 25 49.551	+3.1016	−145	−16 4 52.81	−20.060	−142
467	[74 Ursae maj.]	5.6	A 5	12 26 19.102	+2.8100	− 96	+58 50 5.06	−19.825	+ 88
468	[γ Crucis]	1.6	M b	12 26 49.723	+3.3127	+ 26	−56 40 36.00	−20.186	−278
469	[γ Muscae]	3.9	B 5	12 27 47.382	+3.5534	− 82	−71 42 8.58	−19.920	− 22
470	8 Can. ven.	4.3	G	12 30 2.557	+2.8542	−625	+41 46 51.81	−19.593	+280
472	κ Draconis	3.6	B 5 p	12 30 9.749	+2.5734	−117	+70 13 4.80	−19.864	+ 7
471	β Corvi	2.6	G 5	12 30 17.149	+3.1469	− 4	−22 57 56.12	−19.929	− 59
473	24 Comae seq.	5.1	K	12 31 13.124	+3.0111	+ 2	+18 48 22.55	−19.841	+ 19
474	α Muscae	2.8	B 3	12 32 30.973	+3.5520	− 55	−68 42 21.86	−19.876	− 32
475	[χ Virginis]	4.9	K	12 35 13.136	+3.0950	− 49	− 7 33 59.73	−19.846	− 37
476	γ Centauri	2.3	A	12 37 12.365	+3.2966	−205	−48 31 53.91	−19.801	− 20
477	[γ Virgin. m.]	3.5,3.5	F	12 37 42.413	+3.0391	−375	− 1 1 18.74	−19.769	+ 5
478	76 Ursae maj.	6.2	A	12 38 9.856	+2.6309	− 45	+63 8 27.99	−19.785	− 17
479	[Hydr. 330 G.]	5.9	K p	12 39 50.819	+3.1925	− 26	−27 53 46.32	−19.793	− 50
480	[β Muscae]	3.2	B 3	12 41 28.826	+3.6535	− 53	−67 40 53.08	−19.749	− 31

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
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481	β Crucis	1.4	B 1	12 43 9.083	+3.4875	− 59	−59 15 45.43	−19.718	− 27
482	*n* Centauri	4.4	A 5	12 49 6.561	+3.3136	+ 45	−39 45 18.26	−19.624	− 37
483	ε Ursae maj.	1.7	A p	12 50 36.166	+2.6462	+137	+56 22 58.56	−19.570	− 11
484	δ Virginis	3.4	M a	12 51 40.420	+3.0212	−315	+ 3 49 15.47	−19.601	− 63
486	8 Draconis	5.2	F	12 52 22.536	+2.3957	− 15	+65 51 40.94	−19.557	− 34
485	12 Can. ven. sq.	2.8	A p	12 52 22.920	+2.8099	−199	+38 44 21.54	−19.474	+ 50
487	[δ Muscae]	3.6	K 2	12 56 52.784	+4.0860	+529	−71 7 42.79	−19.467	− 36
488	ε Virginis	2.8	K	12 58 17.648	+2.9866	−185	+11 22 41.04	−19.382	+ 18
489	[ξ² Centauri]	4.3	B 3	13 2 20.852	+3.4895	− 35	−49 29 20.19	−19.338	− 30
490	ϑ Virginis	4.3	A	13 5 54.568	+3.1043	− 24	− 5 7 22.72	−19.261	− 39
491	[17 Can. ven.]	6.1	A	13 6 28.476	+2.7583	− 59	+38 54 46.90	−19.176	+ 32
492	43 Comae	4.2	G	13 8 14.105	+2.8017	−602	+28 16 23.42	−18.285	+879
493	[η Muscae]	5.0	B 8	13 9 56.702	+4.0380	− 33	−67 28 54.30	−19.148	− 30
494	[20 Can. ven.]	4.6	F	13 14 2.865	+2.6934	−107	+40 58 57.98	−19.000	+ 8
495	γ Hydrae	3.1	G 5	13 14 40.645	+3.2573	+ 51	−22 45 37.85	−19.044	− 53
496	ι Centauri	2.9	A 2	13 16 12.318	+3.3638	−293	−36 18 4.76	−19.039	− 92
497	ζ Urs. maj. pr.	2.2	A p	13 20 47.295	+2.4200	+144	+55 19 56.43	−18.838	− 25
498	α Virginis	1.1	B 2	13 21 4.871	+3.1579	− 28	−10 45 16.71	−18.837	− 33
499	Gr. 2001	6.2	M a	13 24 8.604	+1.5270	+ 35	+72 47 46.48	−18.724	− 15
500	69 H. Urs. maj.	5.5	A	13 25 35.488	+2.2053	−109	+60 20 53.96	−18.626	+ 37
501	ζ Virginis	3.3	A 2	13 30 43.030	+3.0555	−190	− 0 11 51.51	−18.460	+ 35
502	17 H. Can. ven.	4.9	F	13 31 18.932	+2.6801	+ 64	+37 34 53.62	−18.488	− 14
503	[Chamael. 49 G.]	6.4	A	13 32 29.124	+5.0661	− 49	−75 17 11.84	−18.448	− 14
504	ε Centauri	2.4	B 1	13 34 56.041	+3.7845	− 37	−53 4 13.68	−18.384	− 34
505	[Gr. 2029]	5.9	G 5	13 35 18.429	+1.4376	− 86	+71 38 20.25	−18.337	0
506	[*i* Centauri]	4.3	F 5	13 41 14.951	+3.4017	−371	−32 38 59.50	−18.277	−156
507	τ Bootis	4.5	F 5	13 43 33.329	+2.8509	−340	+17 50 41.73	−18.005	+ 29
509	η Ursae maj.	1.8	B 3	13 44 28.169	+2.3671	−119	+49 42 7.49	−18.018	− 20
508	[μ Centauri]	3.3	B 2 p	13 44 54.578	+3.6032	− 28	−42 5 8.15	−18.001	− 19
510	89 Virginis	5.2	K	13 45 37.801	+3.2560	− 69	−17 44 46.14	−17.992	− 38
511	[*i* Draconis]	4.8	M a	13 49 9.249	+1.7524	0	+65 6 29.83	−17.816	− 2
512	ζ Centauri	2.6	B 2 p	13 50 39.832	+3.7289	− 70	−46 54 18.38	−17.814	− 61
513	η Bootis	2.8	G	13 50 58.250	+2.8570	− 42	+18 47 17.32	−18.105	−364
514	[Cent. 294 G.]	4.9	K	13 51 59.247	+4.3157	− 46	−63 18 17.87	−17.733	− 35
515	[47 Hydrae]	5.5	B 8	13 54 8.285	+3.3615	− 34	−24 35 31.83	−17.651	− 40
517	11 Bootis	6.3	A	13 57 38.326	+2.7216	− 57	+27 45 45.82	−17.454	+ 8
516	τ Virginis	4.2	A 2	13 57 40.532	+3.0520	+ 13	+ 1 55 16.77	−17.490	− 30
518	β Centauri	1	B 1	13 58 18.272	+4.2123	− 28	−59 59 51.28	−17.473	− 40
519	[π Hydrae]	3.4	K	14 1 55.472	+3.4108	+ 30	−26 18 26.44	−17.428	−153
520	ϑ Centauri	2.1	K	14 2 5.101	+3.5217	−439	−35 59 13.09	−17.798	−530

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521	α Draconis	3.4	A	14 2 16.592	+1.6235	— 83	+64 44 53.94	—17.243	+ 16
522	*d* Bootis	4.9	F 5	14 6 50.541	+2.7371	— 12	+25 27 37.93	—17.122	— 69
523	κ Virginis	4.2	K	14 8 43.928	+3.1975	+ 4	— 9 54 40.80	—16.831	+ 134
524	4 Ursae min.	5.0	K	14 9 7.615	—0.2717	— 113	+77 54 50.60	—16.915	+ 32
525	ι Virginis	4.0	F 5	14 11 55.294	+3.1431	— 14	— 5 37 44.45	—17.246	— 431
526	α Bootis	1	K	14 12 6.186	+2.7359	— 777	+19 35 16.38	—18.806	—2000
528	[ι Bootis]	4.6	A 5	14 13 24.269	+2.1257	— 159	+51 43 35.43	—16.658	+ 86
527	λ Bootis	4.0	A	14 13 25.184	+2.2822	— 177	+46 26 45.22	—16.591	+ 152
529	[υ Centauri]	4.4	B 5	14 14 51.754	+4.1689	— 47	—56 1 41.53	—16.713	— 39
530	[Circini 10 G.]	5.9	A 2 p	14 18 36.723	+4.9345	— 41	—67 50 30.39	—16.525	— 36
531	ϑ Bootis	3.9	F 8	14 22 32.519	+2.0430	— 256	+52 12 38.67	—16.696	— 404
532	[52 Hydrae]	5.1	B 8	14 23 35.959	+3.5068	— 29	—29 8 30.85	—16.268	— 30
533	[φ Virginis]	5.0	K	14 24 10.898	+3.0895	— 90	— 1 52 44.58	—16.215	— 7
534	ρ Bootis	3.7	K	14 28 28.127	+2.5861	— 75	+30 42 47.28	—15.871	+ 113
535	γ Bootis	2.9	F	14 28 56.271	+2.4168	— 93	+38 38 55.66	—15.815	+ 145
536	[Gr. 2125]	6.4	A	14 29 35.728	+1.6283	— 58	+60 34 8.11	—15.906	+ 18
537	η Centauri	2.5	B 3 p	14 30 32.782	+3.7991	— 36	—41 48 57.84	—15.910	— 36
538	α Centauri [1])	1	K 5; G	14 34 17.326	+4.0586	—4876	—60 30 51.72	—14.960	+ 712
540	[33 Bootis]	5.5	A	14 35 56.074	+2.2329	— 68	+44 44 26.14	—15.607	— 26
539	[α Circini]	3.3	F	14 36 10.931	+4.8166	— 320	—64 38 11.43	—15.806	— 238
541	[α Lupi]	2.4	B 2	14 36 43.984	+3.9778	— 20	—47 3 15.89	—15.574	— 36
543	ζ Bootis m.	3.6	A 2	14 37 25.398	+2.8642	+ 37	+14 3 43.52	—15.526	— 27
542	α Apodis	3.8	K 5	14 38 5.676	+7.3292	— 56	—78 42 55.59	—15.496	— 35
544	[c[1] Centauri]	4.1	K	14 38 52.798	+3.6610	— 61	—34 50 19.62	—15.616	— 198
545	μ Virginis	3.9	F 5	14 38 56.826	+3.1592	+ 69	— 5 19 11.83	—15.741	— 326
546	[*b* Lupi]	5.9	K	14 41 33.297	+4.1808	— 24	—52 3 15.88	—15.360	— 92
547	109 Virginis	3.7	A	14 42 18.233	+3.0316	— 75	+ 2 13 14.44	—15.264	— 39
548	α Librae	2.7	A 2	14 46 33.582	+3.3149	— 77	—15 43 6.72	—15.054	— 74
549	Gr. 2164	5.8	K	14 49 27.476	+1.5203	— 170	+59 36 37.58	—14.681	+ 129
550	β Ursae min.	2.0	K 5	14 50 54.957	—0.1990	— 78	+74 28 27.40	—14.718	+ 7
551	P. XIV, 221	6.0	A	14 52 32.284	+2.8310	— 10	+14 45 38.19	—14.646	— 18
552	β Lupi	2.7	B 2 p	14 53 24.848	+3.9178	— 51	—42 49 15.08	—14.636	— 60
553	[κ Centauri]	3.2	B 3	14 54 4.767	+3.8932	— 21	—41 47 31.96	—14.569	— 33
554	[2 H. Urs. min.]	4.8	M b	14 56 20.211	+0.9458	— 147	+66 14 34.47	—14.365	+ 34
555	β Bootis	3.3	G 5	14 59 0.473	+2.2600	— 36	+40 41 50.80	—14.278	— 43
556	γ Scorpii	3.4	M b	14 59 30.008	+3.5062	— 57	—24 58 35.22	—14.260	— 55
557	ψ Bootis	4.5	K	15 1 6.188	+2.5706	— 131	+27 15 3.49	—14.121	— 15
558	ζ Lupi	3.4	K	15 6 40.216	+4.2949	— 133	—51 48 12.44	—13.829	— 73
559	[ι Librae]	4.6	A p	15 7 46.268	+3.4153	— 32	—19 29 51.16	—13.733	— 47
562	[3 Serpentis]	5.5	G 2	15 11 18.635	+2.9809	— 12	+ 5 13 40.71	—13.464	— 7

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561	[β Circini]	4.2	A 3	15ʰ 11ᵐ 23ˢ.631	+4ˢ.6772	−130	−58° 30′ 40″.13	−13″.600	− 149
560	γ Triang. austr.	2.9	A	15 11 36.303	+5.5661	−101	−68 23 34.32	−13.475	− 37
563	δ Bootis	3.2	K	15 12 21.489	+2.4192	+ 73	+33 36 18.09	−13.511	− 122
564	β Librae	2.5	B 8	15 12 48.423	+3.2258	− 65	− 9 5 45.93	−13.387	− 27
565	1 H. Urs. min.	5.3	G	15 13 44.219	+0.6805	+386	+67 38 33.62	−13.695	− 395
566	φ¹ Lupi	3.5	K 5	15 16 51.021	+3.7991	− 82	−35 58 46.24	−13.189	− 95
569	γ Ursae min.	3.0	A 2	15 20 50.397	−0.1118	− 32	+72 6 41.53	−12.812	+ 16
568	μ Bootis	4.1	F	15 21 32.603	+2.2662	−123	+37 38 59.88	−12.701	+ 80
570	[τ¹ Serpentis]	5.5	M a	15 22 10.279	+2.7816	− 11	+15 42 4.79	−12.762	− 24
567	[κ¹ Apodis]	5.9	B 5 p	15 22 58.732	+6.4835	+ 5	−73 7 14.87	−12.722	− 37
571	ι Draconis	3.2	K	15 23 11.538	+1.3324	− 5	+59 14 19.91	−12.655	+ 14
572	β Coron. bor.	3.7	F p	15 24 36.777	+2.4738	−131	+29 22 25.47	−12.497	+ 76
573	ν¹ Bootis	4.8	K 5	15 28 7.633	+2.1548	+ 10	+41 5 53.61	−12.345	− 13
574	[ε Triang. austr.]	4.3	K	15 29 33.695	+5.4597	+ 29	−66 3 22.84	−12.314	− 82
576	[ϑ Coron. bor.]	4.1	B 5	15 29 47.028	+2.4187	− 17	+31 37 17.33	−12.244	− 26
575	γ Lupi	2.9	B 3	15 29 56.122	+3.9885	− 26	−40 54 20.74	−12.247	− 39
577	γ Librae	4.1	K	15 31 9.596	+3.3529	+ 43	−14 31 49.38	−12.119	+ 3
578	α Coron. bor.	2.2	A	15 31 23.095	+2.5399	+ 93	+26 58 34.76	−12.205	− 98
579	[3 H. Scorpii]	3.9	K 2	15 32 17.050	+3.6367	− 11	−27 52 40.34	−12.054	− 11
580	[φ Bootis]	5.3	K	15 35 1.516	+2.1546	+ 58	+40 36 23.84	−11.799	+ 52
581	[γ Coron. bor.]	3.8	A	15 39 28.017	+2.5195	− 74	+26 32 30.47	−11.502	+ 34
582	α Serpentis	2.5	K	15 40 25.475	+2.9537	+ 91	+ 6 40 12.21	−11.425	+ 42
583	β Serpentis	3.4	A 2	15 42 35.220	+2.7684	+ 51	+15 39 53.82	−11.366	− 54
584	κ Serpentis	4.0	K 5	15 45 13.687	+2.7001	− 31	+18 22 53.31	−11.218	− 98
587	[12 H. Dracon.]	5.3	A 2	15 45 28.394	+0.9096	+ 55	+62 50 24.94	−11.163	− 61
585	μ Serpentis	3.3	A	15 45 32.847	+3.1289	− 59	− 3 11 33.27	−11.128	− 32
586	[χ Lupi]	4.1	B 9	15 45 59.800	+3.8057	− 15	−33 23 26.29	−11.094	− 30
590	ζ Ursae min.	4.3	A 2	15 46 48.583	−2.1921	+ 60	+78 2 6.51	−11.005	− 1
588	ε Serpentis	3.5	A	15 46 55.578	+2.9891	+ 84	+ 4 42 41.41	−10.937	+ 59
589	β Triang. austr.	2.9	F	15 48 15.323	+5.2644	−279	−63 11 29.33	−11.305	− 407
591	[γ Serpentis]	3.7	F 8	15 52 50.947	+2.7701	+212	+15 54 54.56	−11.854	−1295
592	[π Scorpii]	3.0	B 2 p	15 54 7.723	+3.6245	− 15	−25 53 27.00	−10.501	− 37
593	ε Coron. bor.	4.0	K	15 54 21.440	+2.4829	− 61	+27 6 10.20	−10.515	− 68
594	δ Scorpii	2.3	B	15 55 43.065	+3.5438	− 8	−22 24 3.49	−10.382	− 36
595	[Gr. 2296]	5.1	A 5	15 55 56.231	+1.4203	−187	+54 58 10.71	−10.218	+ 111
598	ϑ Draconis	3.8	F 8	16 0 25.522	+1.1216	−402	+58 46 23.49	− 9.651	+ 340
597	β Scorpii	2.6	B 1	16 0 53.887	+3.4849	− 7	−19 35 35.35	− 9.982	− 27
596	[δ Normae]	4.8	A 3 p	16 0 58.281	+4.2309	− 5	−44 57 47.11	− 9.943	+ 6
599	[ϑ Lupi]	4.4	B 3	16 1 27.856	+3.9322	− 29	−36 35 28.35	− 9.952	− 41
601	[φ Herculis]	4.0	A	16 6 18.678	+1.8895	− 23	+45 8 19.21	− 9.510	+ 31

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609	[ϰ Normae]	5.3	K	16h 7m 18s.926	+4s.7159	− 42	−54° 25′ 49″.76	−9″.529	− 65
602	[δ Triang. austr.]	4.0	G	16 8 19.493	+5.4406	+ 7	−63 29 17.00	−9.411	− 26
603	δ Ophiuchi	2.8	M a	16 10 15.369	+3.1422	− 30	− 3 29 40.63	−9.386	−150
606	19 Ursae min.	5.8	B 8	16 13 1.598	−1.7408	− 4	+76 4 28.32	−9.008	+ 13
604	γ² Normae	4.2	K	16 13 59.697	+4.4773	−190	−49 57 56.11	−9.006	− 61
605	ε Ophiuchi	3.2	K	16 14 11.527	+3.1723	+ 53	− 4 30 12.74	−8.898	+ 31
607	[σ Scorpii]	3.1	B 1	16 16 26.622	+3.6427	− 11	−25 24 25.00	−8.786	− 33
608	τ Herculis	3.6	B 5	16 17 23.716	+1.8025	− 9	+46 29 54.29	−8.645	+ 32
609	γ Herculis	3.5	F	16 18 28.687	+2.6455	− 36	+19 20 7.22	−8.552	+ 40
612	[η Ursae min.]	5.1	F	16 19 45.852	−1.7811	−217	+75 56 8.52	−8.234	+256
610	[ζ Triang. austr.]	5.2	G	16 20 3.386	+6.4212	+366	−69 54 38.39	−8.383	+ 83
611	γ Apodis	3.9	K	16 21 26.271	+9.1268	−385	−78 43 29.20	−8.428	− 71
613	[ω Herculis]	4.7	A p	16 21 48.905	+2.7677	+ 28	+14 12 42.27	−8.396	− 68
614	[Gr. 2343]	5.8	A	16 22 42.889	+1.3107	+ 20	+55 22 55.05	−8.238	+ 18
615	η Draconis	2.7	G 5	16 22 55.856	+0.8083	− 28	+61 41 25.72	−8.178	+ 61
616	α Scorpii	1.2	Ma p	16 24 37.288	+3.6751	− 7	−26 15 36.71	−8.132	− 28
618	β Herculis	2.6	K	16 26 51.961	+2.5783	− 69	+21 39 30.90	−7.944	− 21
617	[λ Ophiuchi]	3.7	A	16 26 58.669	+3.0243	− 23	+ 2 9 12.27	−8.005	− 90
619	*A* Draconis	5.0	B 8 p	16 28 7.665	−0.1271	− 51	+68 56 12.97	−7.787	+ 35
620	[τ Scorpii]	2.9	B	16 31 1.385	+3.7309	− 11	−28 3 19.90	−7.622	− 33
621	σ Herculis	4.1	A	16 31 35.275	+1.9337	− 6	+42 35 49.71	−7.504	+ 38
622	ζ Ophiuchi	2.6	B	16 32 51.708	+3.3016	+ 9	−10 24 37.05	−7.417	+ 22
623	[Gr. 2373]	6.5	G 5	16 33 58.456	−2.6152	−318	+77 36 9.47	−7.074	+275
624	[24 Scorpii]	5.2	K	16 37 3.553	+3.4672	− 19	−17 35 32.62	−7.099	− 2
626	η Herculis	3.3	K	16 40 13.285	+2.0564	+ 34	+39 4 11.49	−6.922	− 84
625	α Triang. austr.	1.9	K 2	16 40 23.391	+6.3301	+ 32	−68 53 11.95	−6.872	− 49
627	Gr. 2377	4.9	F 5	16 43 48.942	+1.1364	+ 29	+56 55 14.64	−6.483	+ 58
628	ε Scorpii	2.3	K	16 45 6.422	+3.8813	−501	−34 9 10.50	−6.689	−254
629	49 Herculis	6.5	A	16 48 31.733	+2.7307	+ 12	+15 6 14.43	−6.157	− 6
630	ζ² Scorpii	3.8	K 5	16 49 5.336	+4.2148	−134	−42 13 44.92	−6.341	−238
631	ζ Arae	3.0	K 5	16 52 9.516	+4.9555	− 30	−55 52 7.06	−5.895	− 48
632	[ε¹ Arae]	4.0	K 2	16 53 21.585	+4.7723	− 19	−53 2 32.27	−5.755	− 8
633	ϰ Ophiuchi	3.2	K	16 53 58.512	+2.8386	−198	+ 9 29 42.72	−5.708	− 13
634	ε Herculis	3.6	A	16 57 18.284	+2.2950	− 35	+31 2 25.32	−5.392	+ 24
635	[60 Herculis]	4.9	A 3	17 1 45.614	+2.7812	+ 34	+12 50 48.67	−5.054	− 15
636	[Gr. 2415]	6.4	A	17 5 14.031	+1.9563	− 29	+40 37 2.21	−4.773	− 28
637	η Ophiuchi	2.4	A	17 5 54.168	+3.4385	+ 23	−15 37 46.56	−4.597	+ 90
638	[η Scorpii]	3.4	F 2	17 6 33.780	+4.2928	+ 17	−43 8 16.27	−4.930	−298
639	ζ Draconis	3.0	B 5	17 8 33.453	+0.1696	− 29	+65 48 38.22	−4.440	+ 22
640	α Herculis	(3.0)	M b	17 11 5.398	+2.7347	− 8	+14 28 41.32	−4.217	+ 29

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641	δ Herculis	3.0	A	17h 11m 49s.629	+2s.4638	− 15	+24° 55′ 48″.86	−4″.341	−159
643	π Herculis	3.1	K 2	17 12 19.786	+2.0891	− 21	+36 53 46.46	−4.138	+ 1
642	[ι Apodis]	5.7	A	17 13 23.206	+6.6757	− 14	−70 2 36.33	−4.076	− 27
644	θ Ophiuchi	3.2	B 3	17 17 13.023	+3.6823	− 7	−24 55 22.78	−3.745	− 25
645	β Arae	2.7	K 2	17 18 48.692	+4.9814	− 14	−55 27 28.54	−3.625	− 42
646	[*d* Ophiuchi]	4.5	F 5	17 22 22.266	+3.8284	+ 6	−29 47 52.03	−3.421	−145
647	[27 H. Ophiuchi]	4.5	F	17 22 29.511	+3.1827	− 58	− 5 1 7.95	−3.317	− 51
648	δ Arae	3.6	B 8	17 24 3.202	+5.4102	− 70	−60 37 13.88	−3.232	−101
650	[*x* Herculis]	6.0	A	17 24 40.155	+1.5896	+ 2	+48 19 28.99	−3.096	− 19
649	[υ Scorpii]	2.8	B 3	17 25 27.389	+4.0745	− 24	−37 14 6.15	−3.049	− 39
651	α Arae	2.8	B 3 p	17 25 48.524	+4.6335	− 38	−49 48 57.75	−3.073	− 94
652	λ Scorpii	1.7	B 2	17 28 18.546	+4.0705	− 14	−37 2 53.91	−2.795	− 32
653	β Draconis	2.7	G	17 28 40.172	+1.3548	− 15	+52 21 30.78	−2.722	+ 10
655	[ν¹ Draconis]	4.7	A 5	17 30 38.371	+1.1808	+176	+55 14 13.30	−2.510	+ 51
657	[ν² Draconis]	4.8	A 5	17 30 43.788	+1.1820	+181	+55 13 32.05	−2.501	+ 52
656	α Ophiuchi	2.1	A 5	17 31 18.771	+2.7839	+ 79	+12 36 56.45	−2.736	−233
654	θ Scorpii	1.9	F	17 31 42.659	+4.3073	0	−42 56 59.25	−2.486	− 18
659	[*f* Draconis]	5.2	K	17 32 16.381	−0.2446	− 32	+68 11 5.28	−2.285	+134
658	ξ Serpentis	3.5	A 5	17 33 7.132	+3.4337	− 34	−15 21 2.67	−2.410	− 65
660	[κ Scorpii]	2.5	B 2	17 37 5.362	+4.1477	− 15	−38 59 28.21	−2.027	− 26
663	ι Herculis	3.6	B 3	17 37 15.739	+1.6930	− 5	+46 2 49.37	−1.989	− 4
664	ω Draconis	4.9	F 5	17 37 24.332	−0.3536	+ 12	+68 47 38.93	−1.650	+323
662	[μ Arae]	5.6	K	17 37 56.915	+4.7598	− 29	−51 47 39.05	−2.134	−208
661	η Pavonis	3.5	K	17 38 4.370	+5.8832	− 22	−64 41 18.11	−1.971	− 56
665	β Ophiuchi	2.8	K	17 39 37.113	+2.9629	− 27	+ 4 35 55.24	−1.627	+153
666	[ι¹ Scorpii]	3.0	F 5 p	17 42 7.610	+4.1935	− 11	−40 5 53.30	−1.564	− 3
670	ψ Draconis	4.7	F 5	17 43 19.302	−1.0724	+ 30	+72 11 15.09	−1.724	−267
667	μ Herculis	3.3	G 5	17 43 24.280	+2.3470	−241	+27 45 55.31	−2.201	−751
668	[γ Ophiuchi]	3.7	A	17 43 58.856	+3.0075	− 16	+ 2 44 7.60	−1.477	− 77
669	[*G* Scorpii]	3.1	K 2	17 44 32.846	+4.0824	+ 42	−37 1 11.51	−1.324	+ 26
671	ξ Draconis	3.6	K	17 52 10.787	+1.0372	+120	+56 53 4.03	−0.607	+ 76
675	35 Draconis	5.1	F 5	17 52 56.301	−2.6894	+115	+76 58 26.81	−0.376	+241
672	θ Herculis	3.8	K	17 53 34.653	+2.0570	+ 4	+37 15 36.10	−0.557	+ 5
673	ν Ophiuchi	3.4	K	17 54 43.902	+3.3020	− 7	− 9 45 54.81	−0.578	−118
674	[ξ Herculis]	3.7	K	17 54 44.006	+2.3310	+ 66	+29 15 18.97	−0.486	− 25
676	γ Draconis	2.3	K 5	17 54 47.664	+1.3925	− 9	+51 29 50.90	−0.478	− 22
677	67 Ophiuchi	4.0	B 5 p	17 56 44.283	+3.0043	0	+ 2 56 2.96	−0.298	− 13
678	[Apodis 66 G.]	6.0	A	18 0 20.714	+8.3866	− 47	−75 53 45.06	−0.239	−270
679	γ Sagittarii	3.0	K	18 0 47.777	+3.8529	− 47	−30 25 35.25	−0.125	−194
680	72 Ophiuchi	3.6	A 2	18 3 39.075	+2.8438	− 42	+ 9 33 5.93	+0.398	+ 78

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681	o Herculis	3.8	A	18h 4m 29s.969	+2s.3400	+ 2	+28° 45′ 2″.72	+0″.393	0
682	μ Sagittarii	3.9	B 8 p	18 9 5.890	+3.5872	− 3	−21 4 50.15	+0.792	− 3
683	[η Sagittarii]	3.1	M b	18 12 20.904	+4.0588	− 117	−36 47 11.28	+0.916	−163
684	[Gr. 2533]	5.6	B 5	18 13 13.169	+1.8654	− 6	+42 7 54.90	+1.149	− 7
685	[36 Draconis]	5.0	F 5	18 13 26.860	+0.3453	+ 533	+64 22 14.41	+1.205	+ 30
687	[δ Sagittarii]	2.7	K	18 16 0.023	+3.8409	+ 27	−29 51 45.38	+1.366	− 32
686	[ξ Pavonis]	4.2	K 2	18 16 2.279	+5.5285	− 26	−61 31 51.31	+1.419	+ 17
688	η Serpentis	3.2	K	18 17 16.399	+3.1035	− 372	− 2 55 12.95	+0.811	−699
689	ε Sagittarii	1.9	A	18 18 59.678	+3.9824	− 30	−34 25 22.20	+1.532	−127
690	109 Herculis	3.9	K	18 20 22.425	+2.5561	+ 140	+21 43 59.30	+1.523	−257
691	α Telescopii	3.7	B 3	18 21 11.402	+4.4491	− 21	−46 0 46.10	+1.803	− 47
693	[φ Draconis]	4.3	A p	18 21 52.658	−0.8582	− 17	+71 17 47.64	+1.944	+ 33
695	χ Draconis	3.6	F 8	18 22 27.870	−1.0802	+1168	+72 41 57.71	+1.598	−364
694	b Draconis	5.1	A 2	18 22 46.304	+0.8765	− 45	+58 45 18.40	+2.047	+ 58
692	[λ Sagittarii]	2.8	K	18 23 9.401	+3.7022	− 37	−25 27 58.07	+1.834	−188
696	[2 H. Scuti]	4.8	A 3	18 24 45.097	+3.4190	− 3	−14 37 0.12	+2.163	+ 2
697	[ϑ Coron. austr.]	4.7	G 5	18 27 55.967	+4.2842	+ 14	−42 22 12.53	+2.413	− 24
700	[Gr. 2655]	6.1	K	18 33 31.549	−2.8853	− 10	+77 29 13.95	+2.919	− 3
698	ζ Pavonis	4.0	K	18 33 55.696	+7.0199	− 25	−71 29 50.80	+2.779	−178
699	α Lyrae	1	A	18 34 17.839	+2.0313	+ 176	+38 42 36.82	+3.270	+281
701	[Gr. 2640]	6.2	A	18 35 58.626	+0.1892	+ 19	+65 25 7.61	+3.218	+ 84
702	[5 H. Scuti]	5.1	G	18 39 16.383	+3.2674	+ 13	− 8 21 12.34	+3.428	+ 9
703	110 Herculis	4.1	F 5	18 42 18.264	+2.5811	− 12	+20 28 14.26	+3.339	−340
704	λ Pavonis	4.3	B 2	18 44 59.610	+5.5644	− 26	−62 16 43.78	+3.883	− 27
705	β Lyrae	(3.3)	B 2 p	18 47 11.997	+2.2148	+ 3	+33 16 16.68	+4.097	− 2
707	o Draconis	4.6	K	18 50 3.095	+0.8868	+ 105	+59 17 33.46	+4.368	+ 25
706	σ Sagittarii	2.1	B 3	18 50 25.757	+3.7204	+ 4	−26 23 41.96	+4.312	− 63
708	λ Telescopii	5.1	B 9	18 52 13.522	+4.8032	+ 3	−53 2 31.40	+4.543	+ 14
709	ϑ Serpent. pr.	4.5	A 5	18 52 20.513	+2.9823	+ 29	+ 4 6 3.32	+4.566	+ 28
711	*R* Lyrae	(4.5)	M b	18 52 57.717	+1.8262	+ 28	+43 50 33.21	+4.667	+ 76
710	[ξ Sagittarii]	3.6	K	18 53 4.632	+3.5793	+ 18	−21 12 37.72	+4.585	− 16
714	[υ Draconis]	5.0	K	18 55 21.528	−0.7269	+ 103	+71 11 35.42	+4.835	+ 40
713	γ Lyrae	3.2	A	18 56 1.521	+2.2437	− 4	+32 34 54.04	+4.850	− 2
712	[ε Aquilae]	4.0	K	18 56 4.907	+2.7221	− 42	+14 57 40.60	+4.776	− 80
715	[ζ Sagittarii]	2.7	A 2	18 57 38.984	+3.8178	− 21	−29 59 34.36	+4.991	+ 2
716	ζ Aquilae	3.0	A	19 1 49.485	+2.7569	− 7	+13 44 47.12	+5.241	−101
717	λ Aquilae	3.2	A	19 2 6.586	+3.1838	− 16	− 5 0 2.33	+5.280	− 87
718	α Coron. austr.	4.1	A 2	19 4 10.011	+4.0831	+ 59	−38 1 38.70	+5.430	−109
719	[ι Lyrae]	5.2	B 5	19 4 31.089	+2.1406	− 3	+35 58 37.34	+5.565	− 3
720	π Sagittarii	2.9	F 2	19 5 7.553	+3.5685	− 5	−21 8 55.95	+5.584	− 35

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721	[Pavonis 60 G.]	5.7	A 2	19h 9m 22s.038	+6s.0478	− 7	−66° 47′ 51″.33	+ 5″.954	− 21
723	δ Draconis	3.0	K	19 12 32.482	+0.0199	+ 167	+67 31 27.42	+ 6.327	+ 88
722	[d Sagittarii]	5.2	K 5	19 13 4.335	+3.5108	− 12	−19 5 34.37	+ 6.274	− 9
724	ϑ Lyrae	4.3	K	19 13 39.611	+2.0817	− 7	+37 59 38.30	+ 6.331	− 1
725	ω Aquilae	5.4	A	19 14 9.310	+2.8158	− 3	+11 27 13.31	+ 6.386	+ 13
726	κ Cygni	3.8	K	19 15 18.055	+1.3874	+ 69	+53 13 26.24	+ 6.588	+ 119
729	τ Draconis	4.5	K	19 17 3.733	−1.1409	− 325	+73 12 40.01	+ 6.724	+ 110
727	[υ Sagittarii]	4.5	B 8 p	19 17 15.675	+3.4369	+ 1	−16 6 9.16	+ 6.628	− 2
728	α Sagittarii	4.0	B 8	19 18 29.054	+4.1597	+ 18	−40 45 50.38	+ 6.613	− 118
730	δ Aquilae	3.3	F	19 21 33.945	+3.0248	+ 168	+ 2 57 29.36	+ 7.066	+ 81
731	[Sagittar. 186 G.]	5.8	A	19 22 0.817	+3.7932	+ 7	−29 53 55.36	+ 6.974	− 47
734	[Gr. 2900]	6.4	A	19 26 26.580	−3.5871	+ 96	+79 26 51.74	+ 7.347	− 35
732	β Cygni	3.0	K p	19 27 34.519	+2.4190	− 2	+27 47 41.73	+ 7.467	− 8
733	ι Cygni	3.9	A 2	19 27 44.394	+1.5131	+ 22	+51 33 46.63	+ 7.613	+ 125
735	[ι Telescopii]	5.1	K	19 29 25.939	+4.4542	− 41	−48 16 7.28	+ 7.585	− 40
736	h Sagittarii	4.6	B 9	19 31 57.736	+3.6525	+ 46	−25 3 25.13	+ 7.807	− 22
737	[κ Aquilae]	5.0	B	19 32 41.771	+3.2283	+ 3	− 7 12 7.08	+ 7.889	0
738	ϑ Cygni	4.5	F 5	19 34 20.976	+1.6083	− 29	+50 2 23.08	+ 8.268	+ 247
740	[15 Cygni]	5.2	K	19 41 27.791	+2.1632	+ 59	+37 9 54.57	+ 8.623	+ 35
739	[ν Telescopii]	5.5	A 5	19 41 39.393	+4.9085	+ 86	−56 33 5.30	+ 8.466	− 137
742	δ Cygni	2.8	A	19 42 32.244	+1.8756	+ 51	+44 56 22.61	+ 8.711	+ 39
741	γ Aquilae	2.7	K 2	19 42 33.082	+2.8520	+ 9	+10 25 19.92	+ 8.673	0
743	δ Sagittae	3.8	M a p	19 43 54.579	+2.6749	+ 4	+18 20 27.26	+ 8.793	+ 13
744	[51 Aquilae]	5.8	A	19 46 29.377	+3.3021	− 21	−10 57 44.69	+ 9.024	+ 41
745	α Aquilae	1	A 5	19 46 58.652	+2.9269	+ 360	+ 8 39 40.73	+ 9.403	+ 383
747	ε Draconis	3.8	K	19 48 26.709	−0.1920	+ 156	+70 4 9.29	+ 9.165	+ 30
746	[η Aquilae]	(4.0)	G	19 48 30.008	+3.0567	+ 6	+ 0 48 15.77	+ 9.131	− 9
749	β Aquilae	3.7	K	19 51 28.908	+2.9467	+ 25	+ 6 12 39.39	+ 8.891	− 480
748	ε Pavonis	3.8	A	19 51 35.732	+6.9791	+ 147	−73 7 6.02	+ 9.247	− 132
750	ψ Cygni	5.0	A 3	19 53 36.819	+1.5514	− 43	+52 13 52.63	+ 9.504	− 31
751	ϑ¹ Sagittarii	4.3	B 3	19 54 39.710	+3.9076	− 12	−35 29 18.47	+ 9.580	− 36
752	γ Sagittae	3.6	K 5	19 55 17.275	+2.6675	+ 43	+19 16 45.71	+ 9.688	+ 24
753	[c Sagittarii]	4.6	M b	19 57 51.860	+3.6916	+ 21	−27 55 40.22	+ 9.878	+ 18
754	δ Pavonis	3.5	G 5	20 1 5.310	+5.9083	+1961	−66 22 57.78	+ 8.942	−1163
755	[ξ Telescopii]	5.2	M a	20 1 24.892	+4.6046	44	−53 6 19.78	+10.128	− 2
756	ϑ Aquilae	3.1	A	20 7 16.856	+3.0958	+ 22	− 1 3 13.85	+10.574	+ 5
757	o¹ Cygni sq.	4.3	K p	20 11 10.526	+1.8892	+ 4	+46 30 14.64	+10.858	+ 1
759	κ Cephei	4.3	B 9	20 11 32.588	−1.9783	+ 12	+77 28 37.84	+10.911	+ 27
758	[33 Cygni]	4.3	A 3	20 11 35.136	+1.3959	+ 74	+56 19 43.14	+10.972	+ 85
760	24 Vulpeculae	5.7	K	20 13 26.818	+2.5670	+ 12	+24 25 47.78	+11.004	− 19

Nr.	Name	Gr.	Spektrum	AR. 1922.0			Jährl. Veränderung	Jährl. Eigenbew. in $0^s.0001$		Dekl. 1922.0			Jährl. Veränderung	Jährl. Eigenbew. in $0''.001$	
				h	m	s	s			°	′	″	″		
761	α^2 Capricorni	3.6	K	20	13	43.705	+3.3299	+	40	−12	47	15.27	+11.055	+	11
762	[β Capricorni]	3.1	G p	20	16	37.824	+3.3719	+	23	−15	1	43.38	+11.261	+	6
763	[$\varkappa^1$ Sagittarii]	5.8	A	20	17	10.073	+4.0810	+	37	−42	17	47.84	+11.198	−	96
765	γ Cygni	2.3	F 8 p	20	19	25.704	+2.1528	+	4	+40	0	22.67	+11.457		0
764	α Pavonis	1.9	B 3	20	19	29.216	+4.7612	+	11	−56	59	10.45	+11.375	−	85
766	[ρ Capricorni]	5.0	F	20	24	24.810	+3.4237	−	14	−18	4	20.99	+11.796	−	16
767	ϑ Cephei	4.1	A	20	28	16.541	+1.0104	+	62	+62	43	53.65	+12.069	−	14
768	ε Delphini	3.9	B 5	20	29	29.195	+2.8661	+	5	+11	2	13.99	+12.142	−	25
769	α Jndi	3.0	K	20	32	5.178	+4.2276	+	33	−47	33	52.75	+12.407	+	60
770	73 Draconis	5.3	A 3	20	32	33.293	−0.7643	+	15	+74	41	15.18	+12.368	−	12
771	β Delphini	3.5	F 5	20	33	53.478	+2.8130	+	74	+14	19	22.44	+12.435	−	36
772	[ϰ Delphini]	5.1	G 2	20	35	20.462	+2.9139	+	212	+ 9	48	38.03	+12.588	+	18
773	υ Capricorni	5.5	M a	20	35	36.705	+3.4172	−	17	−18	24	51.38	+12.572	−	16
774	α Delphini	3.7	B 8	20	36	0.908	+2.7866	+	45	+15	38	9.50	+12.610	+	6
775	β Pavonis	3.3	A 5	20	37	56.909	+5.4359	−	71	−66	29	5.77	+12.748	+	2
776	[η Jndi]	4.8	F	20	38	19.127	+4.4163	+	157	−52	12	3.16	+12.699	−	73
777	α Cygni	1.3	A 2	20	38	46.340	+2.0449	+	4	+45	0	3.33	+12.802	−	1
778	[δ Delphini]	4.2	A 2	20	39	49.044	+2.8008	−	14	+14	47	37.84	+12.825	−	48
779	[ψ Capricorni]	4.2	F 8	20	41	28.815	+3.5551	−	44	−25	33	8.09	+12.827	−	157
780	ε Cygni	2.4	K	20	43	3.281	+2.4273	+	290	+33	40	38.46	+13.416	+	327
782	[6 H. Cephei]	4.5	G	20	43	24.996	+1.4897	−	87	+57	17	57.60	+12.878	−	234
781	ε Aquarii	3.6	A	20	43	27.296	+3.2487	+	17	− 9	46	55.84	+13.087	−	28
783	η Cephei	3.5	K	20	43	42.348	+1.2237	+	132	+61	32	7.50	+13.950	+	818
784	λ Cygni	4.6	B 5	20	44	22.171	+2.3361	+	5	+36	12	12.35	+13.175		0
785	β Jndi	3.6	K	20	48	43.441	+4.7046		0	−58	44	58.44	+13.432	−	27
786	32 Vulpeculae	5.3	K	20	51	14.107	+2.5564	−	4	+27	45	36.80	+13.623	+	1
788	ν Cygni	3.9	A	20	54	15.865	+2.2359	+	9	+40	51	58.05	+13.797	−	17
787	[α Octantis]	5.5	F 5	20	55	19.180	+7.3568	−	16	−77	19	22.13	+13.527	−	355
789	[11 Aquarii]	6.4	F 8	20	56	27.453	+3.1596	+	23	− 5	1	56.75	+13.821	−	133
790	ζ Microscopii	5.4	F	20	57	59.166	+3.8393	−	36	−38	56	13.58	+13.928	−	122
792	[ξ Cygni]	3.9	K 5	21	2	5.589	+2.1818	+	12	+43	36	57.46	+14.300	−	3
791	[A Capricorni]	4.6	M a	21	2	34.087	+3.5118	−	30	−25	19	6.97	+14.285	−	47
793	61 Cygni pr.	5.4	K 5	21	3	23.948	+2.6864	+	3505	+38	21	54.41	+17.637	+	3254
794	ϑ Aquarii	4.4	K	21	5	20.838	+3.2699	+	62	−11	41	18.00	+14.492	−	9
795	Br. 2777	6.0	A	21	7	5.259	−1.1567	+	74	+77	48	37.45	+14.642	+	36
797	ζ Cygni	3.1	K	21	9	36.936	+2.5524	−	1	+29	54	22.53	+14.698	−	59
798	[Gr. 3415]	5.8	B 1	21	9	49.133	+1.5280	−	6	+59	39	55.28	+14.766	−	2
796	[Jndi 23 G.]	5.9	A 5	21	10	11.958	+4.2937	−	19	−53	35	13.91	+14.744	−	46
799	[τ Cygni]	3.8	F	21	11	40.587	+2.3939	+	137	+37	42	42.57	+15.313	+	435
800	α Equulei	3.9	A 8 p	21	11	55.518	+2.9994	+	38	+ 4	55	28.37	+14.805	−	87

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
801	[4 Pisc. austr.]	4.8	A	21h 13m 12s.729	+3s.6425	+ 35	−32° 29′ 57″.71	+14″.941	− 26
802	[ϑ¹ Microscop.]	4.9	A 2 p	21 15 46.682	+3.8465	+ 70	−41 8 23.88	+15.130	+ 14
803	α Cephei	2.5	A 5	21 16 43.134	+1.4333	+ 212	+62 15 16.91	+15.219	+ 49
804	1 Pegasi	4.2	K	21 18 28.721	+2.7740	+ 74	+19 28 12.03	+15.331	+ 61
805	γ Pavonis	4.2	F 8	21 20 0.763	+4.9899	+ 131	−65 43 13.14	+16.144	+ 788
806	ζ Capricorni	3.8	G p	21 22 13.018	+3.4286	− 1	−22 45 0.15	+15.502	+ 23
807	[g Cygni]	5.4	K	21 26 34.191	+2.2129	+ 48	+46 11 45.75	+15.822	+ 103
808	β Aquarii	2.9	G	21 27 27.236	+3.1594	+ 11	− 5 54 54.20	+15.762	− 5
809	β Cephei	3.1	B 1	21 27 39.620	+0.7829	+ 20	+70 13 5.16	+15.784	+ 7
810	ν Octantis	3.7	K	21 32 51.532	+6.7677	+ 132	−77 44 16.00	+15.797	− 256
811	74 Cygni	5.1	A 5	21 33 49.260	+2.4032	− 3	+40 3 45.05	+16.116	+ 12
812	[γ Capricorni]	3.6	F p	21 35 46.316	+3.3265	+ 131	−17 0 55.13	+16.189	− 16
813	[13 H. Cephei]	6.1	Oe 5	21 36 32.410	+1.8616	+ 7	+57 8 9.19	+16.247	+ 2
814	[ι Pisc.austr.]	4.4	A	21 40 18.278	+3.5786	+ 18	−33 22 56.56	+16.346	− 89
815	ε Pegasi	2.3	K	21 40 21.295	+2.9464	+ 19	+ 9 31 0.03	+16.437	0
817	[11 Cephei]	4.8	K	21 40 47.083	+0.8870	+ 234	+70 57 7.39	+16.557	+ 98
816	[κ Pegasi]	4.1	F 5	21 41 6.712	+2.7156	+ 25	+25 17 9.10	+16.485	+ 10
818	[λ Capricorni]	5.5	A	21 42 20.308	+3.2315	+ 20	−11 43 34.76	+16.533	− 4
819	δ Capricorni	2.8	A 5	21 42 44.271	+3.3135	+ 178	−16 28 55.03	+16.263	− 294
821	π² Cygni	4.3	B 3	21 43 54.602	+2.2150	+ 8	+48 56 53.05	+16.610	− 4
820	[o Jndi]	5.6	K 5	21 44 12.694	+5.1136	− 87	−69 59 36.50	+16.607	− 21
822	γ Gruis	3.0	A	21 49 12.621	+3.6390	+ 77	−37 43 56.83	+16.850	− 18
823	16 Pegasi	5.2	B 3	21 49 30.715	+2.7287	+ 4	+25 33 27.20	+16.884	+ 1
824	[δ Jndi]	4.6	F	21 52 37.148	+4.0977	+ 43	−55 21 51.90	+16.999	− 29
826	[20 Pegasi]	5.8	F	21 57 17.316	+2.9221	+ 36	+12 44 44.30	+17.186	− 54
825	[ε Jndi]	4.9	K 5	21 57 24.318	+4.6071	+4811	−57 6 26.70	+14.664	−2580
827	α Aquarii	2.9	G	22 1 46.699	+3.0817	+ 10	− 0 41 57.79	+17.430	− 7
828	ι Aquarii	4.2	B 8	22 2 13.595	+3.2419	+ 24	−14 14 55.23	+17.405	− 51
830	20 Cephei	5.7	K 5	22 2 38.195	+1.8221	+ 22	+62 24 17.04	+17.534	+ 60
829	α Gruis	1.8	B 5	22 3 19.465	+3.7914	+ 119	−47 20 22.60	+17.332	− 171
831	[ι Pegasi]	3.9	F 5	22 3 22.706	+2.7915	+ 219	+24 57 48.74	+17.527	+ 22
832	[μ Pisc.austr.]	4.6	A 2	22 3 50.139	+3.5041	+ 41	−33 22 11.33	+17.484	− 41
833	[27 Pegasi]	5.8	K	22 5 46.174	+2.6570	− 42	+32 47 26.76	+17.541	− 65
834	θ Pegasi	3.6	A	22 6 15.920	+3.0263	+ 184	+ 5 48 48.70	+17.658	+ 31
835	π Pegasi	4.3	F 5	22 6 31.280	+2.6627	− 9	+32 47 41.83	+17.619	− 19
836	ζ Cephei	3.4	K	22 8 8.730	+2.0785	+ 14	+57 48 58.80	+17.711	+ 6
837	24 Cephei	4.8	K	22 8 18.688	+1.1572	+ 54	+71 57 24.37	+17.719	+ 8
838	[λ Pisc.austr.]	5.4	A	22 9 53.724	+3.4049	+ 16	−28 9 14.93	+17.775	− 1
839	[ε Octantis]	5.3	M b	22 11 21.711	+6.8648	+ 137	−80 49 44.41	+17.795	− 40
840	θ Aquarii	4.2	K	22 12 43.149	+3.1670	+ 76	− 8 10 20.03	+17.870	− 19

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
841	α Tucanae	2.8	K 2	22h 13m 10s.285	+4s.1310	− 98	−60° 38′ 56″.78	+17″.857	− 49
842	γ Aquarii	3.7	A	22 17 37.686	+3.0990	+ 83	− 1 46 51.48	+18.085	+ 7
843	[31 Pegasi]	4.9	B 3 p	22 17 40.667	+2.9520	− 1	+11 48 42.02	+18.089	+ 9
844	3 Lacertae	4.5	K	22 20 29.372	+2.3559	− 15	+51 50 16.01	+17.995	−191
845	[ν Gruis]	5.6	K	22 24 5.185	+3.5233	+ 24	−39 31 37.13	+18.154	−162
846	[δ¹ Gruis]	4.0	G 5	22 24 36.802	+3.5942	+ 17	−43 53 40.74	+18.326	− 8
847	[δ Cephei]	(4.1)	G	22 26 16.283	+2.2235	+ 17	+58 0 56.02	+18.394	+ 2
848	7 Lacertae	3.8	A	22 28 4.485	+2.4683	+ 147	+49 52 51.78	+18.471	+ 17
849	[υ Aquarii]	5.5	F	22 30 25.804	+3.2848	+ 155	−21 6 29.75	+18.390	−144
850	η Aquarii	3.9	B 8	22 31 20.927	+3.0832	+ 59	− 0 31 12.12	+18.509	− 55
851	[31 Cephei]	5.2	F	22 33 50.513	+1.4821	+ 382	+73 14 16.88	+18.668	+ 23
852	10 Lacertae	4.9	Oe 5	22 35 45.513	+2.6892	+ 4	+38 38 37.97	+18.700	− 6
853	[30 Cephei]	5.3	A 2	22 35 52.834	+2.1243	+ 1	+63 10 43.26	+18.688	− 22
854	[ε Pisc. austr.]	4.0	B 8	22 36 20.664	+3.3217	+ 12	−27 27 3.02	+18.727	+ 2
855	ζ Pegasi	3.3	B 8	22 37 34.273	+2.9915	+ 53	+10 25 25.39	+18.750	− 13
856	β Gruis	2.0	M b	22 38 0.925	+3.5914	+ 117	−47 17 35.35	+18.751	− 25
857	η Pegasi	2.9	G	22 39 20.610	+2.8100	+ 12	+29 48 46.10	+18.784	− 33
858	[13 Lacertae]	5.4	K	22 40 36.560	+2.6720	− 6	+41 24 34.23	+18.860	+ 5
859	λ Pegasi	3.9	K	22 42 46.330	+2.8878	+ 41	+23 9 17.14	+18.908	− 10
860	ε Gruis	3.5	A 2	22 43 51.005	+3.6348	+ 96	−51 43 39.06	+18.876	− 73
861	[τ Aquarii]	4.0	K 5	22 45 27.828	+3.1781	− 12	−14 0 16.83	+18.962	− 33
862	[μ Pegasi]	3.6	K	22 46 14.197	+2.8938	+ 109	+24 11 21.62	+18.975	− 41
863	ι Cephei	3.5	K	22 46 53.921	+2.1293	− 114	+65 47 23.60	+18.911	−123
864	λ Aquarii	3.8	M a	22 48 32.776	+3.1308	+ 5	− 7 59 42.17	+19.117	+ 38
865	ρ Jndi	6.3	G	22 49 15.189	+4.2085	− 101	−70 29 27.06	+19.159	+ 62
866	δ Aquarii	3.2	A 2	22 50 30.744	+3.1856	− 33	−16 14 9.53	+19.112	− 19
867	α Pisc. austr.	1.2	A 3	22 53 20.611	+3.3190	+ 247	−30 2 9.39	+19.044	−159
868	[ζ Gruis]	4.0	G 5	22 56 16.968	+3.5545	− 80	−53 10 22.10	+19.260	− 16
869	ο Androm.	3.5	B 3	22 58 19.716	+2.7564	+ 25	+41 54 22.97	+19.311	− 13
870	β Pegasi	2.4	M b	22 59 59.428	+2.9060	+ 145	+27 39 33.71	+19.499	+138
871	α Pegasi	2.4	A	23 0 52.438	+2.9869	+ 41	+14 47 6.88	+19.341	− 41
872	ϑ Gruis	4.2	F 5	23 2 29.403	+3.3873	− 52	−43 56 31.72	+19.380	− 38
873	c² Aquarii	3.7	K	23 5 17.389	+3.2010	+ 32	−21 35 45.87	+19.513	+ 36
874	π Cephei	4.5	G 5	23 5 24.728	+1.9018	+ 29	+74 57 56.43	+19.454	− 25
875	Br. 3077	5.8	K	23 9 31.217	+2.8806	+2529	+56 44 14.77	+19.857	+296
876	[Tucanae 25 G.]	5.9	F	23 12 16.919	+3.6248	+ 231	−62 25 36.75	+19.560	− 53
877	γ Tucanae	3.9	F 2	23 12 53.129	+3.5148	− 59	−58 39 48.99	+19.705	+ 82
878	[γ Piscium]	3.7	K	23 13 7.279	+3.1095	+ 503	+ 2 51 20.85	+19.645	+ 18
879	γ Sculptoris	4.4	K	23 14 36.935	+3.2442	+ 10	−32 57 25.95	+19.586	− 68
880	τ Pegasi	4.5	A 5	23 16 46.432	+2.9669	+ 21	+23 18 47.12	+19.676	− 13

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
				h m s	s		° ′ ″	″	
882	4 Cassiopeiae	5.5	M a p	23 21 21.922	+2.6554	+ 17	+61 51 15.74	+19.751	− 10
881	[υ Pegasi]	4.4	G	23 21 29.032	+2.9918	+138	+22 58 28.01	+19.798	+ 35
883	[o Gruis]	5.7	F	23 22 14.949	+3.3648	− 4	−53 9 13.12	+19.893	+119
884	κ Piscium	5.1	A 2	23 22 56.027	+3.0753	+ 56	+ 0 49 42.18	+19.691	− 93
885	70 Pegasi	4.7	K	23 25 12.499	+3.0324	+ 38	+12 19 47.95	+19.842	+ 28
886	[β Sculptoris]	4.4	B 9	23 28 47.537	+3.2223	+ 65	−38 14 59.64	+19.874	+ 14
887	[72 Pegasi]	5.2	K	23 30 4.800	+2.9727	+ 40	+30 53 40.82	+19.862	− 12
888	[Aquarii 248 G.]	6.7	A	23 31 30.687	+3.0952	− 5	− 7 53 46.52	+19.914	+ 23
889	[Phoenicis 11 G.]	4.6	A 2	23 33 39.307	+3.2357	+ 47	−45 55 27.83	+19.876	− 37
890	[λ Androm.]	3.8	K	23 33 44.443	+2.9299	+156	+46 2 7.33	+19.491	−423
891	ι Androm.	4.1	B 8	23 34 18.341	+2.9368	+ 27	+42 50 9.78	+19.914	− 5
892	ι Piscium	4.1	F 5	23 35 56.244	+3.0847	+247	+ 5 12 11.92	+19.495	−440
893	γ Cephei	3.3	K	23 36 7.991	+2.4431	−183	+77 11 49.15	+20.093	+157
894	ω² Aquarii	4.5	A	23 38 40.720	+3.1124	+ 65	−14 58 34.68	+19.896	− 63
895	41 H. Cephei	5.2	A	23 44 10.195	+2.8538	+ 23	+67 22 24.13	+19.998	+ 1
896	Lac. δ Sculpt.	4.4	A	23 44 51.920	+3.1278	+ 71	−28 33 42.29	+19.897	−105
897	[Aquarii 268 G.]	6.3	A	23 46 13.245	+3.0961	+ 86	−10 24 34.47	+20.095	+ 86
898	φ Pegasi	5.4	M a	23 48 31.033	+3.0493	− 8	+18 41 13.15	+19.981	− 39
899	[ρ Cassiopeiae]	4.8	F 8 p	23 50 28.676	+2.9864	− 7	+57 3 55.50	+20.032	+ 4
900	[27 Piscium]	5.1	F	23 54 40.780	+3.0712	− 37	− 3 59 19.51	+19.971	− 68
901	[π Phoenicis]	5.2	K	23 54 53.497	+3.1155	+ 30	−53 10 54.36	+20.086	+ 46
902	ω Piscium	3.9	F 5	23 55 18.280	+3.0796	+100	+ 6 25 53.26	+19.932	−109
903	ε Tucanae	4.5	B 9	23 55 52.350	+3.1332	+ 64	−66 0 40.16	+20.009	− 33
904	[θ Octantis]	5.0	K	23 57 36.296	+3.1138	−220	−77 29 46.84	+19.873	−171
905	[2 Ceti]	4.5	A	23 59 44.702	+3.0744	+ 12	−17 46 12.68	+20.041	− 4

[1]) Nr. 257. Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist nach Auwers A. N. 3085 (vergl. Neuer Fundamental-Katalog, Seite 98):

1922.0: $\Delta\alpha = -0^s.225$ $\Delta\delta = -1''.67$
1923.0: $= -0.220$ $= -1.77$

[2]) Nr. 287. Rektaszension der Mitte, Deklination des folgenden helleren Sterns.

[3]) Nr. 291. Ort des Schwerpunktes. Die Reduktion auf den Ort des hellen Sterns beträgt nach Auwers A. N. 3929 (vergl. Neuer Fundamental-Katalog, Seite 98):

1922.0: $\Delta\alpha = -0^s.028$ $\Delta\delta = +0''.48$
1923.0: $= -0.016$ $= +0.54$

[4]) Nr. 538. Schwerpunkt des Systems. Abstände vom Schwerpunkt nach See M. N. Dez. 1893 (vergl. Neuer Fundamental-Katalog, Seite 99):

heller Stern 1922.0: $\Delta\alpha$ $+0^s.572$ $\Delta\delta$ $+4''.47$
1923.0: $+0.554$ $+4.15$
Begleiter 1922.0: $\Delta\alpha$ $-0^s.673$ $\Delta\delta$ $-5''.27$
1923.0: -0.652 -4.88

Nördliche Polsterne

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
				h m s	s		° ′ ″	″	
Na	43 H. Cephei	4.3	K	0 57 47.81	+ 7.731	+ 75	+85 50 22.24	+19.410	— 1
Nb	α Ursae min.	2.0	F 8	1 32 41.42	+30.304	+147	+88 53 15.81	+18.429	+ 1
Nc	Gr. 750	6.8	F	4 11 30.94	+17.708	+ 16	+85 20 55.88	+ 9.170	+ 32
Nd	51 H. Cephei	5.2	M a	7 4 29.96	+29.029	— 51	+87 10 26.96	— 5.602	— 35
Ne	1 H. Dracon.	4.3	K	9 26 5.52	+ 8.747	— 6	+81 40 23.07	—15.712	— 20
Nf	[30 H. Camel.]	5.2	F 5	10 21 42.45	+ 7.524	— 47	+82 57 23.79	—18.198	+ 31
Ng	ε Ursae min.	4.2	G 5	16 53 54.33	— 6.234	+ 7	+82 10 4.62	— 5.695	+ 6
Nh	δ Ursae min.	4.3	A	17 57 23.83	—19.497	+ 16	+86 36 50.90	— 0.171	+ 57
Ni	λ Ursae min.	6.8	M a	18 56 37.10	—73.120	— 96	+89 1 28.12	+ 4.909	+ 8
Nk	76 Draconis	6.0	A	20 48 19.69	— 4.192	+ 16	+82 14 37.33	+13.461	+ 27

Südliche Polsterne

Nr.	Name	Gr.	Spektrum	AR. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1922.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
				h m s	s		° ′ ″	″	
Sa	Octantis 4 G.	6	K	1 41 44.08	— 3.692	+ 18	—85 9 50.61	+18.137	+ 34
Sb	[ξ Mensae]	6.0	K	5 7 41.73	— 6.922	— 4	—82 34 37.02	+ 4.549	+ 14
Sc	ζ Octantis	6—5	F 5	9 8 18.02	— 8.217	— 94	—85 21 10.53	—14.630	+ 48
Sd	ι Octantis	6—5	K	12 46 37.36	+ 6.025	+ 42	—84 42 0.49	—19.606	+ 25
Se	Octantis 20 G.	7	M a	14 48 22.11	+26.583	—182	—87 50 5.28	—14.943	— 68
Sf	Octantis 26 G.	6—7	A 2	16 31 29.64	+21.848	+ 5	—86 13 36.20	— 7.552	— 2
Sg	χ Octantis	6	K 5	18 9 10.80	+35.709	— 90	—87 39 49.12	+ 0.675	—128
Sh	σ Octantis	6	A 8	19 35 30.34	+92.228	+112	—89 12 49.56	+ 8.114	0
Si	β Octantis	4.1	F	22 38 10.73	+ 6.284	— 26	—81 47 28.50	+18.783	+ 3
Sk	τ Octantis	6	K	23 16 59.21	+ 9.929	+ 21	—87 54 39.85	+19.708	+ 15

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden

Mittlere Zeit Greenw.	1) α Andromedae AR.		Dekl.		2) β Cassiopeiae AR.		Dekl.		3) ε Phoenicis AR.		Dekl.		7) γ Pegasi AR.		Dekl.	
1922	$0^h\ 4^m$		+28° 39′		$0^h\ 4^m$		+58° 43′		$0^h\ 5^m$		−46° 10′		$0^h\ 9^m$		+14° 44′	
Jan. 0.2	21.532	148	45.52	99	61.293	321	28.62	80	26.686	207	54.53	28	13.297	125	64.91	90
10.2	21.384	142	44.53	124	60.972	309	27.82	131	26.479	193	54.25	75	13.172	120	64.01	101
20.2	21.242	130	43.29	145	60.663	285	26.51	178	26.286	170	53.50	118	13.052	111	63.00	108
30.1	21.112	112	41.84	160	60.378	249	24.73	217	26.116	144	52.32	159	12.941	96	61.92	111
Feb. 9.1	21.000	87	40.24	169	60.129	200	22.56	248	25.972	111	50.73	196	12.845	75	60.81	108
19.1	20.913	56	38.55	169	59.929	140	20.08	269	25.861	74	48.77	227	12.770	48	59.73	101
März 1.1	20.857	20	36.86	164	59.789	72	17.39	279	25.787	32	46.50	255	12.722	18	58.72	89
11.0	20.837	— 22	35.22	148	59.717	— 3	14.60	276	25.755	— 14	43.95	277	12.704	— 19	57.83	70
21.0	20.859	67	33.74	127	59.720	83	11.84	263	25.769	64	41.18	293	12.723	59	57.13	46
31.0	20.926	113	32.47	99	59.803	162	9.21	240	25.833	115	38.25	302	12.782	101	56.67	20
Apr. 10.0	21.039	159	31.48	66	59.965	238	6.81	207	25.948	167	35.23	307	12.883	143	56.47	— 11
19.9	21.198	204	30.82	30	60.203	310	4.74	166	26.115	217	32.16	304	13.026	184	56.58	42
29.9	21.402	244	30.52	— 10	60.513	372	3.08	119	26.332	264	29.12	295	13.210	220	57.00	73
Mai 9.9	21.646	278	30.62	49	60.885	424	1.89	70	26.596	308	26.17	279	13.430	254	57.73	104
19.8	21.924	305	31.11	87	61.309	464	1.19	16	26.904	343	23.38	256	13.684	280	58.77	133
29.8	22.229	324	31.98	124	61.773	490	1.03	— 37	27.247	370	20.82	228	13.964	299	60.10	157
Juni 8.8	22.553	334	33.22	156	62.263	502	1.40	88	27.617	390	18.54	193	14.263	311	61.67	179
18.8	22.887	335	34.78	185	62.765	501	2.28	137	28.007	397	16.61	154	14.574	313	63.46	194
28.7	23.222	327	36.63	207	63.266	485	3.65	183	28.404	395	15.07	110	14.887	307	65.40	204
Juli 8.7	23.549	311	38.70	226	63.751	459	5.48	223	28.799	381	13.97	64	15.194	293	67.44	210
18.7	23.860	286	40.96	238	64.210	421	7.71	258	29.180	358	13.33	16	15.487	273	69.54	210
28.7	24.146	257	43.34	244	64.631	375	10.29	287	29.538	324	13.17	— 31	15.760	245	71.64	205
Aug. 7.6	24.403	221	45.78	245	65.006	321	13.16	309	29.862	282	13.48	78	16.005	214	73.69	194
17.6	24.624	183	48.23	241	65.327	262	16.25	325	30.144	234	14.26	122	16.219	178	75.63	182
27.6	24.807	141	50.64	232	65.589	199	19.50	333	30.378	179	15.48	160	16.397	139	77.45	165
Sept. 6.5	24.948	101	52.96	218	65.788	135	22.83	335	30.557	123	17.08	193	16.536	102	79.10	145
16.5	25.049	60	55.14	201	65.923	71	26.18	330	30.680	66	19.01	217	16.638	64	80.55	123
26.5	25.109	22	57.15	181	65.994	9	29.48	318	30.746	9	21.18	234	16.702	28	81.78	101
Okt. 6.5	25.131	— 14	58.96	157	66.003	— 51	32.66	300	30.755	— 42	23.52	239	16.730	— 4	82.79	79
16.4	25.117	45	60.53	132	65.952	106	35.66	274	30.713	91	25.91	237	16.726	33	83.58	56
26.4	25.072	73	61.85	105	65.846	158	38.40	243	30.622	131	28.28	223	16.693	59	84.14	33
Nov. 5.4	24.999	95	62.90	75	65.688	204	40.83	205	30.491	165	30.51	201	16.634	80	84.47	11
15.4	24.904	115	63.65	44	65.484	244	42.88	162	30.326	189	32.52	171	16.554	96	84.58	— 9
25.3	24.789	131	64.09	13	65.240	277	44.50	114	30.137	207	34.23	135	16.458	110	84.49	29
Dez. 5.3	24.658	142	64.22	— 20	64.963	302	45.64	62	29.930	216	35.58	93	16.348	119	84.20	49
15.3	24.516	148	64.02	50	64.661	319	46.26	9	29.714	218	36.51	47	16.229	125	83.71	66
25.2	24.368	150	63.52	82	64.342	326	46.35	— 47	29.496	212	36.98	1	16.104	127	83.05	81
35.2	24.218		62.70		64.016		45.88		29.284		36.99		15.977		82.24	
Mittl. Ort	21.112		35.37		60.305		10.41		27.329		40.56		13.009		59.62	
sec δ, tg δ	1.140		+0.547		1.926		+1.646		1.444		−1.042		1.034		+0.263	

Mittlere Zeit Greenw.	9) ι Ceti				10) ζ Tucanae				11) β Hydri				12) α Phoenicis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	0h 15m		−9° 15′		0h 15m		−65° 19′		0h 21m		−77° 41′		0h 22m		−42° 43′	
Jan. 0.2	27.283	121	26.10	61	59.54	41	77.70	73	37.56	91	55.93	96	25.435	198	60.86	2
10.2	27.162	116	26.71	46	59.13	38	76.97	129	36.65	85	54.97	155	25.237	188	60.84	48
20.2	27.046	106	27.17	30	58.75	35	75.68	181	35.80	77	53.42	209	25.049	172	60.36	91
30.1	26.940	93	27.47	11	58.40	29	73.87	228	35.03	67	51.33	257	24.877	150	59.45	131
Feb. 9.1	26.847	73	27.58	8	58.11	24	71.59	268	34.36	55	48.76	297	24.727	123	58.14	170
19.1	26.774	49	27.50	29	57.87	18	68.91	302	33.81	42	45.79	330	24.604	89	56.44	204
März 1.1	26.725	20	27.21	53	57.69	10	65.89	329	33.39	28	42.49	354	24.515	52	54.40	233
11.0	26.705	13	26.68	76	57.59	3	62.60	348	33.11	12	38.95	370	24.463	8	52.07	258
21.0	26.718	50	25.92	99	57.56	5	59.12	359	32.99	3	35.25	378	24.455	38	49.49	278
31.0	26.768	90	24.93	123	57.61	13	55.53	362	33.02	18	31.47	378	24.493	88	46.71	291
Apr. 10.0	26.858	130	23.70	145	57.74	22	51.91	359	33.20	34	27.69	369	24.581	138	43.80	299
19.9	26.988	170	22.25	166	57.96	29	48.32	346	33.54	49	24.00	352	24.719	187	40.81	301
29.9	27.158	208	20.59	182	58.25	37	44.86	328	34.03	63	20.48	327	24.906	236	37.80	296
Mai 9.9	27.366	240	18.77	195	58.62	44	41.58	300	34.66	75	17.21	296	25.142	278	34.84	285
19.8	27.606	268	16.82	204	59.06	50	38.58	267	35.41	88	14.25	258	25.420	315	31.99	266
29.8	27.874	289	14.78	208	59.56	54	35.91	228	36.29	96	11.67	213	25.735	345	29.33	241
Juni 8.8	28.163	302	12.70	205	60.10	58	33.63	182	37.25	103	9.54	164	26.080	366	26.92	211
18.8	28.465	308	10.65	199	60.68	59	31.81	133	38.28	108	7.90	111	26.446	376	24.81	174
28.7	28.773	304	8.66	186	61.27	60	30.48	79	39.36	108	6.79	55	26.822	378	23.07	134
Juli 8.7	29.077	294	6.80	168	61.87	59	29.69	24	40.44	107	6.24	3	27.200	369	21.73	89
18.7	29.371	275	5.12	147	62.46	56	29.45	31	41.51	102	6.27	61	27.569	350	20.84	43
28.7	29.646	250	3.65	121	63.02	51	29.76	85	42.53	95	6.88	116	27.919	321	20.41	5
Aug. 7.6	29.896	219	2.44	93	63.53	45	30.61	137	43.48	84	8.04	168	28.240	284	20.46	52
17.6	30.115	185	1.51	65	63.98	37	31.98	184	44.32	70	9.72	215	28.524	240	20.98	97
27.6	30.300	147	0.86	34	64.35	30	33.82	224	45.02	55	11.87	255	28.764	192	21.95	138
Sept. 6.5	30.447	108	0.52	6	64.65	20	36.06	256	45.57	38	14.42	284	28.956	139	23.33	173
16.5	30.555	69	0.46	20	64.85	11	38.62	279	45.95	20	17.26	305	29.095	87	25.06	201
26.5	30.624	34	0.66	45	64.96	1	41.41	291	46.15	0	20.31	314	29.182	34	27.07	222
Okt. 6.5	30.658	1	1.11	64	64.97	8	44.32	291	46.15	18	23.45	310	29.216	15	29.29	233
16.4	30.657	30	1.75	79	64.89	16	47.23	281	45.97	36	26.55	295	29.201	61	31.62	234
26.4	30.627	57	2.54	90	64.73	25	50.04	258	45.61	52	29.50	268	29.140	101	33.96	226
Nov. 5.4	30.570	77	3.44	96	64.48	30	52.62	226	45.09	66	32.18	229	29.039	135	36.22	209
15.4	30.493	95	4.40	98	64.18	36	54.88	183	44.43	77	34.47	183	28.904	162	38.31	183
25.3	30.398	107	5.38	96	63.82	40	56.71	134	43.66	86	36.30	128	28.742	181	40.14	150
Dez. 5.3	30.291	116	6.34	89	63.42	42	58.05	80	42.80	91	37.58	67	28.561	194	41.64	113
15.3	30.175	121	7.23	81	63.00	43	58.85	22	41.89	93	38.25	6	28.367	200	42.77	70
25.2	30.054	122	8.04	70	62.57	41	59.07	37	40.96	92	38.31	58	28.167	199	43.47	26
35.2	29.932		8.74		62.16		58.70		40.04		37.73		27.968		43.73	
Mittl. Ort	27.228		22.65		60.94		59.77		40.61		36.61		25.856		46.89	
sec δ, tg δ	1.013		−0.163		2.396		−2.177		4.692		−4.584		1.361		−0.924	

Mittlere Zeit Greenw.	13) 12 Ceti				17) ζ Cassiopeiae				18) π Andromedae				20) δ Andromedae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$0^h 26^m$		$-4° 22'$		$0^h 32^m$		$+53° 27'$		$0^h 32^m$		$+33° 17'$		$0^h 35^m$		$+30° 25'$	
Jan. 0.2	$3^s.665$	121	79″.71	69	$38^s.082$	270	80″.18	54	$43^s.283$	163	35″.03	76	$9^s.789$	155	73″.36	76
10.2	3.544	118	80.40	60	37.812	269	79.64	102	43.120	165	34.27	106	9.634	157	72.60	104
20.2	3.426	111	81.00	47	37.543	257	78.62	147	42.955	157	33.21	133	9.477	150	71.56	127
30.1	3.315	99	81.47	33	37.286	234	77.15	185	42.798	142	31.88	154	9.327	137	70.29	146
Feb. 9.1	3.216	81	81.80	16	37.052	199	75.30	217	42.656	121	30.34	169	9.190	117	68.83	159
19.1	3.135	59	81.96	3	36.853	154	73.13	240	42.535	92	28.65	177	9.073	89	67.24	165
März 1.1	3.076	30	81.93	23	36.699	99	70.73	251	42.443	55	26.88	176	8.984	54	65.59	163
11.0	3.046	3	81.70	46	36.600	36	68.22	254	42.388	13	25.12	169	8.930	13	63.96	154
21.0	3.049	40	81.24	69	36.564	32	65.68	245	42.375	35	23.43	152	8.917	32	62.42	137
31.0	3.089	79	80.55	95	36.596	103	63.23	226	42.410	85	21.91	129	8.949	81	61.05	114
Apr. 10.0	3.168	121	79.60	118	36.699	173	60.97	197	42.495	135	20.62	99	9.030	130	59.91	84
19.9	3.289	161	78.42	140	36.872	240	59.00	163	42.630	184	19.63	65	9.160	178	59.07	52
29.9	3.450	198	77.02	161	37.112	300	57.37	121	42.814	230	18.98	28	9.338	222	58.55	15
Mai 9.9	3.648	233	75.41	178	37.412	352	56.16	75	43.044	269	18.70	12	9.560	261	58.40	23
19.8	3.881	262	73.63	190	37.764	397	55.41	27	43.313	303	18.82	51	9.821	294	58.63	61
29.8	4.143	284	71.73	199	38.161	427	55.14	23	43.616	327	19.33	89	10.115	319	59.24	97
Juni 8.8	4.427	298	69.74	202	38.588	446	55.37	71	43.943	342	20.22	126	10.434	334	60.21	131
18.8	4.725	305	67.72	200	39.034	452	56.08	117	44.285	349	21.48	158	10.768	341	61.52	161
28.7	5.030	304	65.72	193	39.486	447	57.25	160	44.634	346	23.06	186	11.109	338	63.13	187
Juli 8.7	5.334	294	63.79	179	39.933	431	58.85	200	44.980	333	24.92	210	11.447	328	65.00	207
18.7	5.628	277	62.00	162	40.364	404	60.85	233	45.313	314	27.02	227	11.775	308	67.07	223
28.7	5.905	253	60.38	141	40.768	368	63.18	261	45.627	286	29.29	239	12.083	283	69.30	233
Aug. 7.6	6.158	225	58.97	117	41.136	326	65.79	283	45.913	254	31.68	246	12.366	251	71.63	237
17.6	6.383	191	57.80	90	41.462	277	68.62	299	46.167	218	34.14	248	12.617	215	74.00	237
27.6	6.574	155	56.90	62	41.739	226	71.61	309	46.385	177	36.62	244	12.832	177	76.37	231
Sept. 6.5	6.729	117	56.28	35	41.965	171	74.70	312	46.562	137	39.06	235	13.009	138	78.68	222
16.5	6.846	81	55.93	9	42.136	116	77.82	309	46.699	96	41.41	223	13.147	98	80.90	208
26.5	6.927	44	55.84	15	42.252	63	80.91	300	46.795	57	43.64	206	13.245	59	82.98	190
Okt. 6.5	6.971	11	55.99	36	42.315	10	83.91	285	46.852	19	45.70	187	13.304	23	84.88	170
16.4	6.982	18	56.35	55	42.325	40	86.76	263	46.871	16	47.57	163	13.327	10	86.58	148
26.4	6.964	45	56.90	67	42.285	87	89.39	236	46.855	47	49.20	137	13.317	43	88.06	122
Nov. 5.4	6.919	67	57.57	77	42.198	131	91.75	204	46.808	75	50.57	109	13.274	69	89.28	95
15.4	6.852	85	58.34	84	42.067	169	93.79	166	46.733	101	51.66	79	13.205	93	90.23	67
25.3	6.767	99	59.18	85	41.898	203	95.45	123	46.632	122	52.45	46	13.112	115	90.90	36
Dez. 5.3	6.668	110	60.03	85	41.695	233	96.68	77	46.510	140	52.91	12	12.997	131	91.26	5
15.3	6.558	117	60.88	81	41.462	254	97.45	28	46.370	154	53.03	21	12.866	145	91.31	27
25.2	6.441	121	61.69	74	41.208	269	97.73	22	46.216	162	52.82	56	12.721	154	91.04	56
35.2	6.320		62.43		40.939		97.51		46.054		52.26		12.567		90.48	
Mittl. Ort	3.490		77.51		36.954		64.14		42.597		24.52		9.130		63.85	
sec δ, tg δ	1.003		−0.077		1.680		+1.350		1.196		+0.657		1.160		+0.587	

Mittlere Zeit Greenw.	21) α Cassiopeiae AR.		Dekl.		22) β Ceti AR.		Dekl.		25) ο Cassiopeiae AR.		Dekl.		24) 21 Cassiopeiae AR.		Dekl.	
1922	$0^h\,36^m$		$+56°\,6'$		$0^h\,39^m$		$-18°\,24'$		$0^h\,40^m$		$+47°\,51'$		$0^h\,40^m$		$+74°\,33'$	
	s		″		s		″		s		″		s		″	
Jan. 0.2	5.438	295	51.71	46	40.582	134	60.00	56	23.269	228	41.94	54	30.78	73	62.40	5
10.2	5.143	294	51.25	96	40.448	133	60.56	31	23.041	230	41.40	97	30.05	72	62.35	65
20.2	4.849	283	50.29	143	40.315	126	60.87	5	22.811	222	40.43	138	29.33	69	61.70	125
30.2	4.566	258	48.86	184	40.189	115	60.92	—23	22.589	204	39.05	172	28.64	64	60.45	178
Feb. 9.1	4.308	222	47.02	218	40.074	98	60.69	49	22.385	176	37.33	201	28.00	55	58.67	225
19.1	4.086	173	44.84	243	39.976	76	60.20	76	22.209	139	35.32	220	27.45	44	56.42	262
März 1.1	3.913	114	42.41	258	39.900	47	59.44	102	22.070	92	33.12	231	27.01	31	53.80	288
11.1	3.799	47	39.83	261	39.853	14	58.42	129	21.978	37	30.81	231	26.70	16	50.92	302
21.0	3.752	—25	37.22	254	39.839	—23	57.13	152	21.941	—22	28.50	221	26.54	2	47.90	305
31.0	3.777	101	34.68	238	39.862	64	55.61	175	21.963	85	26.29	203	26.52	—15	44.85	294
Apr. 10.0	3.878	177	32.30	210	39.926	107	53.86	195	22.048	149	24.26	176	26.67	30	41.91	274
19.9	4.055	247	30.20	176	40.033	149	51.91	211	22.197	209	22.50	141	26.97	44	39.17	243
29.9	4.302	313	28.44	134	40.182	189	49.80	223	22.406	265	21.09	102	27.41	57	36.74	204
Mai 9.9	4.615	369	27.10	89	40.371	226	47.57	230	22.671	313	20.07	59	27.98	68	34.70	157
19.9	4.984	414	26.21	40	40.597	259	45.27	233	22.984	355	19.48	13	28.66	78	33.13	107
29.8	5.398	449	25.81	—10	40.856	284	42.94	229	23.339	384	19.35	—34	29.44	84	32.06	53
Juni 8.8	5.847	469	25.91	59	41.140	303	40.65	219	23.723	404	19.69	79	30.28	87	31.53	—3
18.8	6.316	477	26.50	108	41.443	313	38.46	204	24.127	413	20.48	121	31.15	90	31.56	57
28.8	6.793	472	27.58	152	41.756	314	36.42	184	24.540	409	21.69	161	32.05	89	32.13	110
Juli 8.7	7.265	456	29.10	193	42.070	308	34.58	159	24.949	397	23.30	196	32.94	86	33.23	161
18.7	7.721	428	31.03	228	42.378	294	32.99	129	25.346	374	25.26	227	33.80	81	34.84	206
28.7	8.149	392	33.31	259	42.672	271	31.70	96	25.720	343	27.53	251	34.61	75	36.90	248
Aug. 7.7	8.541	348	35.90	283	42.943	244	30.74	61	26.063	306	30.04	270	35.36	65	39.38	283
17.6	8.889	297	38.73	302	43.187	210	30.13	25	26.369	264	32.74	283	36.01	57	42.21	313
27.6	9.186	243	41.75	313	43.397	174	29.88	—9	26.633	217	35.57	290	36.58	47	45.34	335
Sept. 6.6	9.429	186	44.88	318	43.571	135	29.97	43	26.850	170	38.47	291	37.05	35	48.69	352
16.5	9.615	128	48.06	317	43.706	96	30.40	73	27.020	120	41.38	286	37.40	23	52.21	360
26.5	9.743	70	51.23	310	43.802	58	31.13	99	27.140	73	44.24	276	37.63	12	55.81	362
Okt. 6.5	9.813	15	54.33	295	43.860	21	32.12	118	27.213	27	47.00	261	37.75	—1	59.43	355
16.5	9.828	—40	57.28	276	43.881	—12	33.30	133	27.240	—19	49.61	240	37.74	12	62.98	341
26.4	9.788	90	60.04	249	43.869	42	34.63	140	27.221	59	52.01	213	37.62	24	66.39	318
Nov. 5.4	9.698	138	62.53	217	43.827	67	36.03	141	27.162	98	54.14	183	37.38	35	69.57	288
15.4	9.560	181	64.70	180	43.760	88	37.44	137	27.064	133	55.97	148	37.03	45	72.45	250
25.3	9.379	219	66.50	136	43.672	106	38.81	127	26.931	163	57.45	108	36.58	54	74.95	204
Dez. 5.3	9.160	251	67.86	89	43.566	119	40.08	111	26.768	191	58.53	66	36.04	63	76.99	152
15.3	8.909	276	68.75	39	43.447	127	41.19	92	26.577	211	59.19	22	35.41	68	78.51	95
25.3	8.633	292	69.14	—13	43.320	133	42.11	70	26.366	225	59.41	—25	34.73	72	79.46	35
35.2	8.341		69.01		43.187		42.81		26.141		59.16		34.01		79.81	
Mittl. Ort	4.184		35.22		40.492		52.40		22.228		27.60		28.03		42.98	
sec δ, tg δ	1.793		+1.489		1.054		−0.333		1.490		+1.105		3.757		+3.621	

Mittlere Zeit Greenw.	27) ζ Andromedae AR.		27) ζ Andromedae Dekl.		32) γ Cassiopeiae AR.		32) γ Cassiopeiae Dekl.		33) μ Andromedae AR.		33) μ Andromedae Dekl.		35) α Sculptoris AR.		35) α Sculptoris Dekl.	
1922	0h 43m		+23° 50′		0h 51m		+60° 17′		0h 52m		+38° 4′		0h 54m		−29° 46′	
Jan. 0.2	12.624	142	42.05	74	60.84	34	57.41	19	25.964	179	46.80	55	50.913	160	55.83	49
10.2	12.482	143	41.31	95	60.50	35	57.22	72	25.785	184	46.25	89	50.753	160	56.32	13
20.2	12.339	140	40.36	112	60.15	34	56.50	123	25.601	181	45.36	122	50.593	155	56.45	23
30.2	12.199	130	39.24	125	59.81	32	55.27	169	25.420	169	44.14	148	50.438	143	56.22	60
Feb. 9.1	12.069	112	37.99	133	59.49	27	53.58	208	25.251	149	42.66	170	50.295	127	55.62	94
19.1	11.957	88	36.66	134	59.22	23	51.50	238	25.102	121	40.96	183	50.168	103	54.68	129
März 1.1	11.869	56	35.32	130	58.99	16	49.12	259	24.981	83	39.13	189	50.065	74	53.39	159
11.1	11.813	19	34.02	118	58.83	9	46.53	268	24.898	40	37.24	187	49.991	38	51.80	188
21.0	11.794	23	32.84	100	58.74	1	43.85	267	24.858	11	35.37	175	49.953	0	49.92	212
31.0	11.817	69	31.84	77	58.73	8	41.18	255	24.869	64	33.62	157	49.953	45	47.80	234
Apr. 10.0	11.886	116	31.07	50	58.81	16	38.63	233	24.933	119	32.05	130	49.998	89	45.46	251
20.0	12.002	161	30.57	19	58.97	25	36.30	201	25.052	172	30.75	99	50.087	136	42.95	263
29.9	12.163	204	30.38	16	59.22	32	34.29	163	25.224	223	29.76	62	50.223	180	40.32	270
Mai 9.9	12.367	243	30.54	49	59.54	39	32.66	120	25.447	267	29.14	24	50.403	222	37.62	270
9.9	12.610	276	31.03	82	59.93	44	31.46	72	25.714	305	28.90	17	50.625	259	34.92	265
29.8	12.886	300	31.85	114	60.37	48	30.74	21	26.019	334	29.07	58	50.884	289	32.27	253
Juni 8.8	13.186	317	32.99	143	60.85	52	30.53	29	26.353	354	29.65	96	51.173	312	29.74	234
18.8	13.503	326	34.42	167	61.37	52	30.82	78	26.707	365	30.61	132	51.485	326	27.40	211
28.8	13.829	325	36.09	187	61.89	53	31.60	125	27.072	365	31.93	165	51.811	333	25.29	180
Juli 8.7	14.154	316	37.96	202	62.42	51	32.85	170	27.437	356	33.58	192	52.144	329	23.49	145
18.7	14.470	299	39.98	212	62.93	49	34.55	209	27.793	339	35.50	215	52.473	318	22.04	107
28.7	14.769	276	42.10	216	63.42	45	36.64	243	28.132	314	37.65	233	52.791	297	20.97	66
Aug. 7.7	15.045	247	44.26	216	63.87	40	39.07	272	28.446	283	39.98	246	53.088	270	20.31	23
17.6	15.292	214	46.42	211	64.27	36	41.79	295	28.729	248	42.44	252	53.358	237	20.08	20
27.6	15.506	178	48.53	201	64.63	29	44.74	311	28.977	208	44.96	253	53.595	200	20.28	62
Sept. 6.6	15.684	141	50.54	188	64.92	24	47.85	322	29.185	167	47.49	250	53.795	158	20.90	99
16.5	15.825	103	52.42	172	65.16	17	51.07	325	29.352	126	49.99	241	53.953	116	21.89	133
26.5	15.928	66	54.14	153	65.33	11	54.32	322	29.478	84	52.40	229	54.069	73	23.22	160
Okt. 6.5	15.994	33	55.67	132	65.44	5	57.54	313	29.562	45	54.69	212	54.142	32	24.82	180
16.5	16.027	1	56.99	111	65.49	2	60.67	296	29.607	8	56.81	192	54.174	6	26.62	192
26.4	16.026	29	58.10	87	65.47	8	63.63	273	29.615	28	58.73	168	54.168	41	28.54	196
Nov. 5.4	15.997	55	58.97	64	65.39	13	66.36	244	29.587	61	60.41	141	54.127	71	30.50	192
15.4	15.942	79	59.61	39	65.26	19	68.80	208	29.526	91	61.82	110	54.056	98	32.42	179
25.4	15.863	99	60.00	14	65.07	23	70.88	167	29.435	117	62.92	77	53.958	119	34.21	160
Dez. 5.3	15.764	116	60.14	12	64.84	28	72.55	119	29.318	141	63.69	42	53.839	137	35.81	135
15.3	15.648	130	60.02	36	64.56	31	73.74	69	29.177	161	64.11	6	53.702	149	37.16	105
25.3	15.518	139	59.66	60	64.25	33	74.43	16	29.016	174	64.17	31	53.553	157	38.21	71
35.2	15.379		59.06		63.92		74.59		28.842		63.86		53.396		38.92	
Mittl. Ort	12.007		35.06		59.22		40.77		25.948		35.71		50.871		44.03	
sec δ, tg δ	1.093		+0.442		2.018		+1.753		1.270		+0.783		1.152		−0.572	

Mittlere Zeit Greenw.	36) ε Piscium AR.		36) ε Piscium Dekl.		38) β Phoenicis AR.		38) β Phoenicis Dekl.		42) β Andromedae AR.		42) β Andromedae Dekl.		45) υ Piscium AR.		45) υ Piscium Dekl.	
1922	0h 58m		+7° 28′		1h 2m		−47° 7′		1h 5m		+35° 12′		1h 15m		+26° 51′	
	s		″		s		″		s		″		s		″	
Jan. 0.3	54.080	125	14.55	74	36.055	236	87.56	29	22.487	168	36.28	49	11.327	145	22.58	53
10.2	53.955	128	13.81	77	35.819	235	87.85	21	22.319	175	35.79	80	11.182	154	22.05	76
20.2	53.827	128	13.04	76	35.584	225	87.64	70	22.144	175	34.99	109	11.028	157	21.29	96
30.2	53.699	121	12.28	73	35.359	211	86.94	117	21.969	168	33.90	135	10.871	152	20.33	114
Feb. 9.1	53.578	108	11.55	65	35.148	187	85.77	161	21.801	151	32.55	153	10.719	139	19.19	125
19.1	53.470	88	10.90	56	34.961	156	84.16	201	21.650	125	31.02	167	10.580	118	17.94	133
März 1.1	53.382	62	10.34	43	34.805	120	82.15	236	21.525	92	29.35	173	10.462	90	16.61	133
11.1	53.320	30	9.91	24	34.685	76	79.79	267	21.433	51	27.62	171	10.372	53	15.28	128
21.0	53.290	8	9.67	4	34.609	28	77.12	290	21.382	3	25.91	160	10.319	11	14.00	115
31.0	53.298	49	9.63	20	34.581	26	74.22	309	21.379	47	24.31	142	10.308	35	12.85	97
Apr. 10.0	53.347	91	9.83	45	34.607	81	71.13	320	21.426	101	22.89	119	10.343	84	11.88	73
20.0	53.438	135	10.28	72	34.688	138	67.93	326	21.527	154	21.70	89	10.427	133	11.15	45
29.9	53.573	176	11.00	97	34.826	192	64.67	323	21.681	204	20.81	55	10.560	180	10.70	14
Mai 9.9	53.749	213	11.97	122	35.018	244	61.44	314	21.885	249	20.26	18	10.740	224	10.56	19
19.9	53.962	247	13.19	144	35.262	290	58.30	298	22.134	287	20.08	20	10.964	261	10.75	52
29.9	54.209	274	14.63	163	35.552	330	55.32	274	22.421	319	20.28	57	11.225	291	11.27	84
Juni 8.8	54.483	292	16.26	177	35.882	361	52.58	243	22.740	340	20.85	94	11.516	314	12.11	113
18.8	54.775	303	18.03	187	36.243	382	50.15	207	23.080	353	21.79	128	11.830	327	13.24	141
28.8	55.078	306	19.90	191	36.625	394	48.08	164	23.433	356	23.07	157	12.157	333	14.65	164
Juli 8.7	55.384	302	21.81	192	37.019	394	46.44	118	23.789	350	24.64	184	12.490	329	16.29	182
18.7	55.686	289	23.73	186	37.413	384	45.26	68	24.139	336	26.48	204	12.819	318	18.11	196
28.7	55.975	270	25.59	175	37.797	363	44.58	16	24.475	314	28.52	220	13.137	299	20.07	205
Aug. 7.7	56.245	245	27.34	162	38.160	333	44.42	35	24.789	286	30.72	231	13.436	275	22.12	209
17.6	56.490	215	28.96	144	38.493	294	44.77	86	25.075	253	33.03	236	13.711	245	24.21	207
27.6	56.705	183	30.40	123	38.787	248	45.63	133	25.328	217	35.39	237	13.956	212	26.28	203
Sept. 6.6	56.888	149	31.63	100	39.035	197	46.96	176	25.545	178	37.76	233	14.168	177	28.31	193
16.6	57.037	113	32.63	78	39.232	144	48.72	210	25.723	139	40.09	224	14.345	141	30.24	181
26.5	57.150	80	33.41	56	39.376	87	50.82	238	25.862	100	42.33	211	14.486	105	32.05	166
Okt. 6.5	57.230	46	33.97	33	39.463	34	53.20	256	25.962	61	44.44	196	14.591	71	33.71	148
16.5	57.276	17	34.30	13	39.497	20	55.76	263	26.023	25	46.40	177	14.662	36	35.19	129
26.4	57.293	12	34.43	6	39.477	68	58.39	259	26.048	10	48.17	154	14.698	5	36.48	108
Nov. 5.4	57.281	37	34.37	22	39.409	111	60.98	246	26.038	41	49.71	130	14.703	25	37.56	86
15.4	57.244	59	34.15	36	39.298	149	63.44	223	25.997	73	51.01	101	14.678	53	38.42	63
25.4	57.185	79	33.79	48	39.149	179	65.67	191	25.924	99	52.02	72	14.625	78	39.05	38
Dez. 5.3	57.106	95	33.31	58	38.970	204	67.58	152	25.825	124	52.74	40	14.547	101	39.43	14
15.3	57.011	110	32.73	65	38.766	221	69.10	107	25.701	144	53.14	6	14.446	122	39.57	12
25.3	56.901	121	32.08	71	38.545	231	70.17	60	25.557	162	53.20	26	14.324	138	39.45	37
35.2	56.780		31.37		38.314		70.77		25.395		52.94		14.186		39.08	
Mittl. Ort	53.575		13.94		36.234		70.94		21.535		26.66		10.459		16.07	
sec δ, tg δ	1.008		+0.131		1.470		−1.077		1.224		+0.706		1.121		+0.506	

Mittlere Zeit Greenw.	47) ϑ Ceti				48) δ Cassiopeiae				50) η Piscium				51) 40 Cassiopeiae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$1^h 20^m$		$-8° 34'$		$1^h 20^m$		$+59° 49'$		$1^h 27^m$		$+14° 56'$		$1^h 32^m$		$+72° 38'$	
Jan. 0.3	7.891	127	73.59	78	43.818	325	64.62	15	19.132	127	40.73	63	18.36	60	52.01	61
10.2	7.764	134	74.37	62	43.493	341	64.77	37	19.005	136	40.10	72	17.76	64	52.62	1
20.2	7.630	135	74.99	45	43.152	343	64.40	89	18.869	142	39.38	80	17.12	64	52.63	58
30.2	7.495	132	75.44	24	42.809	331	63.51	137	18.727	139	38.58	84	16.48	62	52.05	115
Feb. 9.2	7.363	122	75.68	4	42.478	304	62.14	179	18.588	131	37.74	86	15.86	58	50.90	167
19.1	7.241	105	75.72	19	42.174	261	60.35	213	18.457	114	36.88	83	15.28	50	49.23	212
März 1.1	7.136	82	75.53	42	41.913	204	58.22	239	18.343	89	36.05	75	14.78	41	47.11	249
11.1	7.054	52	75.11	65	41.709	136	55.83	254	18.254	59	35.30	64	14.37	30	44.62	273
21.1	7.002	16	74.46	91	41.573	58	53.29	259	18.195	20	34.66	47	14.07	16	41.89	289
31.0	6.986	23	73.55	114	41.515	25	50.70	254	18.175	21	34.19	27	13.91	3	39.00	291
Apr. 10.0	7.009	65	72.41	137	41.540	111	48.16	238	18.196	66	33.92	4	13.88	12	36.09	282
20.0	7.074	109	71.04	159	41.651	195	45.78	214	18.262	112	33.88	21	14.00	25	33.27	263
29.9	7.183	151	69.45	178	41.846	274	43.64	180	18.374	157	34.09	49	14.25	39	30.64	235
Mai 9.9	7.334	192	67.67	193	42.120	346	41.84	142	18.531	198	34.58	76	14.64	51	28.29	199
19.9	7.526	227	65.74	204	42.466	408	40.42	98	18.729	235	35.34	101	15.15	60	26.30	156
29.9	7.753	256	63.70	211	42.874	457	39.44	52	18.964	266	36.35	126	15.75	70	24.74	109
Juni 8.8	8.009	280	61.59	212	43.331	494	38.92	3	19.230	289	37.61	146	16.45	76	23.65	59
18.8	8.289	296	59.47	207	43.825	516	38.89	45	19.519	304	39.07	163	17.21	80	23.06	6
28.8	8.585	302	57.40	197	44.341	526	39.34	91	19.823	311	40.70	175	18.01	82	23.00	45
Juli 8.8	8.887	303	55.43	182	44.867	521	40.25	135	20.134	311	42.45	183	18.83	82	23.45	95
18.7	9.190	294	53.61	162	45.388	505	41.60	176	20.445	303	44.28	185	19.65	81	24.40	143
28.7	9.484	280	51.99	136	45.893	478	43.36	212	20.748	287	46.13	183	20.46	76	25.83	187
Aug. 7.7	9.764	257	50.63	109	46.371	441	45.48	243	21.035	266	47.96	176	21.22	72	27.70	227
17.7	10.021	231	49.54	78	46.812	396	47.91	269	21.301	240	49.72	166	21.94	65	29.97	262
27.6	10.252	201	48.76	47	47.208	345	50.60	289	21.541	210	51.38	151	22.59	58	32.59	292
Sept. 6.6	10.453	167	48.29	15	47.553	290	53.49	303	21.751	178	52.89	134	23.17	49	35.51	315
16.6	10.620	133	48.14	16	47.843	230	56.52	311	21.929	145	54.23	116	23.66	39	38.66	332
26.5	10.753	98	48.30	43	48.073	170	59.63	312	22.074	111	55.39	95	24.05	30	41.98	343
Okt. 6.5	10.851	64	48.73	66	48.243	109	62.75	309	22.185	79	56.34	76	24.35	19	45.41	346
16.5	10.915	33	49.39	86	48.352	47	65.84	297	22.264	48	57.10	56	24.54	8	48.87	341
26.5	10.948	3	50.25	101	48.399	14	68.81	279	22.312	18	57.66	37	24.62	2	52.28	330
Nov. 5.4	10.951	25	51.26	110	48.385	74	71.60	256	22.330	11	58.03	19	24.60	13	55.58	310
15.4	10.926	49	52.36	114	48.311	131	74.16	225	22.319	36	58.22	2	24.47	24	58.68	282
25.4	10.877	71	53.50	113	48.180	185	76.41	189	22.283	60	58.24	14	24.23	34	61.50	246
Dez. 5.4	10.806	91	54.63	108	47.995	234	78.30	145	22.223	82	58.10	28	23.89	43	63.96	203
15.3	10.715	108	55.71	99	47.761	278	79.75	99	22.141	103	57.82	43	23.46	51	65.99	153
25.3	10.607	120	56.70	87	47.483	311	80.74	48	22.038	119	57.39	54	22.95	58	67.52	98
35.3	10.487		57.57		47.172		81.22		21.919		56.85		22.37		68.50	
Mittl. Ort	7.442		67.68		41.904		49.59		18.367		38.78		14.93		35.60	
sec δ, tg δ	1.011		−0.151		1.990		+1.720		1.035		+0.267		3.352		+3.199	

Mittlere Zeit Greenw.	52) υ Persei AR.		52) υ Persei Dekl.		54) α Eridani AR.		54) α Eridani Dekl.		55) 43 Cassiopeiae AR.		55) 43 Cassiopeiae Dekl.		57) φ Persei AR.		57) φ Persei Dekl.	
	$1^h 33^m$		+48° 13′		$1^h 34^m$		−57° 37′		$1^h 36^m$		+67° 38′		$1^h 38^m$		+50° 17′	
1922	s		″		s		″		s		″		s		″	
Jan. 0.3	13.188	218	72.54	1	48.647	334	77.42	50	35.16	45	72.71	54	47.283	229	58.85	12
10.3	12.970	235	72.55	41	48.313	339	77.92	6	34.71	47	73.25	3	47.054	248	58.97	32
20.2	12.735	242	72.14	84	47.974	336	77.86	62	34.24	49	73.22	60	46.806	256	58.65	76
30.2	12.493	238	71.30	121	47.638	322	77.24	116	33.75	48	72.62	114	46.550	254	57.89	116
Feb. 9.2	12.255	223	70.09	156	47.316	299	76.08	166	33.27	44	71.48	163	46.296	240	56.73	152
19.1	12.032	195	68.53	182	47.017	265	74.42	213	32.83	39	69.85	205	46.056	211	55.21	182
März 1.1	11.837	157	66.71	203	46.752	222	72.29	252	32.44	32	67.80	240	45.845	173	53.39	203
11.1	11.680	109	64.68	212	46.530	171	69.77	287	32.12	23	65.40	263	45.672	122	51.36	217
21.1	11.571	52	62.56	214	46.359	112	66.90	314	31.89	13	62.77	275	45.550	64	49.19	220
31.0	11.519	11	60.42	206	46.247	48	63.76	335	31.76	2	60.02	277	45.486	1	46.99	214
Apr. 10.0	11.530	76	58.36	190	46.199	20	60.41	349	31.74	10	57.25	269	45.487	70	44.85	200
20.0	11.606	142	56.46	166	46.219	91	56.92	355	31.84	20	54.56	248	45.557	138	42.85	177
30.0	11.748	205	54.80	135	46.310	162	53.37	352	32.04	31	52.08	221	45.695	204	41.08	148
Mai 10.0	11.953	262	53.45	100	46.472	229	49.85	343	32.35	40	49.87	184	45.899	264	39.60	113
19.9	12.215	313	52.45	59	46.701	293	46.42	325	32.75	49	48.03	142	46.163	318	38.47	73
29.9	12.528	355	51.86	19	46.994	348	43.17	300	33.24	55	46.61	97	46.481	362	37.74	32
Juni 8.9	12.883	386	51.67	23	47.342	396	40.17	267	33.79	61	45.64	48	46.843	397	37.42	10
18.8	13.269	407	51.90	65	47.738	433	37.50	227	34.40	65	45.16	2	47.240	419	37.52	53
28.8	13.676	418	52.55	104	48.171	457	35.23	182	35.05	67	45.18	52	47.659	431	38.05	93
Juli 8.8	14.094	417	53.59	141	48.628	470	33.41	131	35.72	66	45.70	100	48.090	431	38.98	131
18.7	14.511	406	55.00	173	49.098	469	32.10	77	36.38	66	46.70	145	48.521	423	40.29	166
28.7	14.917	387	56.73	202	49.567	456	31.33	20	37.04	62	48.15	187	48.944	404	41.95	196
Aug. 7.7	15.304	360	58.75	225	50.023	429	31.13	37	37.66	58	50.02	225	49.348	377	43.91	221
17.7	15.664	326	61.00	243	50.452	391	31.50	94	38.24	54	52.27	257	49.725	344	46.12	242
27.6	15.990	289	63.43	257	50.843	342	32.44	146	38.78	47	54.84	284	50.069	305	48.54	256
Sept. 6.6	16.279	246	66.00	264	51.185	285	33.90	194	39.25	41	57.68	306	50.374	263	51.10	267
16.6	16.525	203	68.64	267	51.470	221	35.84	235	39.66	32	60.74	320	50.637	218	53.77	272
26.6	16.728	157	71.31	264	51.691	152	38.19	267	39.98	26	63.94	329	50.855	171	56.49	270
Okt. 6.5	16.885	112	73.95	257	51.843	83	40.86	289	40.24	17	67.23	331	51.026	124	59.19	266
16.5	16.997	66	76.52	245	51.926	12	43.75	300	40.41	9	70.54	326	51.150	76	61.85	254
26.5	17.063	21	78.97	227	51.938	55	46.75	299	40.50	1	73.80	313	51.226	29	64.39	238
Nov. 5.4	17.084	23	81.24	205	51.883	119	49.74	286	40.51	8	76.93	293	51.255	17	66.77	217
15.4	17.061	65	83.29	178	51.764	175	52.60	263	40.43	16	79.86	266	51.238	63	68.94	190
25.4	16.996	106	85.07	146	51.589	225	55.23	229	40.27	23	82.52	231	51.175	106	70.84	160
Dez. 5.4	16.890	143	86.53	111	51.364	267	57.52	186	40.04	31	84.83	190	51.069	147	72.44	123
15.3	16.747	178	87.64	71	51.097	298	59.38	138	39.73	38	86.73	141	50.922	184	73.67	84
25.3	16.569	206	88.35	29	50.799	321	60.76	84	39.35	43	88.14	90	50.738	215	74.51	41
35.3	16.363		88.64		50.478		61.60		38.92		89.04		50.523		74.92	
Mittl. Ort	11.690		60.81		48.712		57.84		32.40		57.26		45.664		46.95	
sec δ. tg δ	1.501		+1.120		1.868		−1.578		2.630		+2.432		1.565		+1.204	

Mittlere Zeit Greenw.	59) τ Ceti*) AR.		Dekl.		60) ο Piscium AR.		Dekl.		61) Lac. ε Sculptoris AR.		Dekl.		62) ζ Ceti AR.		Dekl.	
1922	$1^h 40^m$		−16° 20′		$1^h 41^m$		+8° 45′		$1^h 41^m$		−25° 26′		$1^h 47^m$		−10° 42′	
	s		″		s		″		s		″		s		″	
Jan. 0.3	27.129	137	61.75	82	17.094	121	55.60	67	59.936	151	44.26	88	37.157	125	79.34	87
10.3	26.992	148	62.57	57	16.973	133	54.93	70	59.785	160	45.14	54	37.032	138	80.21	69
20.2	26.844	152	63.14	31	16.840	140	54.23	70	59.625	165	45.68	20	36.894	145	80.90	47
30.2	26.692	150	63.45	3	16.700	140	53.53	68	59.460	163	45.88	16	36.749	145	81.37	25
Feb. 9.2	26.542	142	63.48	26	16.560	134	52.85	63	59.297	154	45.72	52	36.604	140	81.62	2
19.2	26.400	127	63.22	54	16.426	119	52.22	55	59.143	139	45.20	86	36.464	126	81.64	23
März 1.1	26.273	105	62.68	82	16.307	98	51.67	44	59.004	116	44.34	119	36.338	106	81.41	48
11.1	26.168	76	61.86	109	16.209	70	51.23	30	58.888	85	43.15	150	36.232	78	80.93	73
21.1	26.092	40	60.77	136	16.139	33	50.93	11	58.803	50	41.65	178	36.154	45	80.20	99
31.0	26.052	1	59.41	161	16.106	7	50.82	9	58.753	9	39.87	205	36.109	5	79.21	123
Apr. 10.0	26.051	41	57.80	183	16.113	50	50.91	32	58.744	37	37.82	226	36.104	37	77.98	147
20.0	26.092	87	55.97	203	16.163	95	51.23	56	58.781	82	35.56	244	36.141	80	76.51	168
30.0	26.179	131	53.94	219	16.258	140	51.79	81	58.863	129	33.12	257	36.221	126	74.83	187
Mai 9.9	26.310	173	51.75	231	16.398	181	52.60	104	58.992	174	30.55	265	36.347	167	72.96	202
19.9	26.483	212	49.44	237	16.579	219	53.64	127	59.166	214	27.90	266	36.514	206	70.94	212
29.9	26.695	244	47.07	238	16.798	251	54.91	145	59.380	250	25.24	261	36.720	239	68.82	219
Juni 8.9	26.939	271	44.69	233	17.049	277	56.36	162	59.630	279	22.63	251	36.959	267	66.63	219
18.8	27.210	290	42.36	223	17.326	294	57.98	173	59.909	301	20.12	232	37.226	286	64.44	214
28.8	27.500	302	40.13	206	17.620	303	59.71	179	60.210	314	17.80	209	37.512	298	62.30	203
Juli 8.8	27.802	304	38.07	184	17.923	306	61.50	182	60.524	319	15.71	179	37.810	303	60.27	186
18.7	28.106	300	36.23	156	18.229	299	63.32	178	60.843	316	13.92	144	38.113	299	58.41	165
28.7	28.406	287	34.67	125	18.528	287	65.10	170	61.159	305	12.48	106	38.412	288	56.76	138
Aug. 7.7	28.693	268	33.42	90	18.815	268	66.80	158	61.464	286	11.42	64	38.700	272	55.38	109
17.7	28.961	243	32.52	53	19.083	245	68.38	142	61.750	261	10.78	21	38.972	248	54.29	76
27.6	29.204	215	31.99	16	19.328	217	69.80	123	62.011	231	10.57	22	39.220	221	53.53	41
Sept. 6.6	29.419	181	31.83	21	19.545	187	71.03	102	62.242	197	10.79	64	39.441	191	53.12	8
16.6	29.600	148	32.04	55	19.732	155	72.05	80	62.439	161	11.43	101	39.632	158	53.04	25
26.6	29.748	112	32.59	86	19.887	123	72.85	58	62.600	123	12.44	134	39.790	126	53.29	54
Okt. 6.5	29.860	77	33.45	112	20.010	91	73.43	36	62.723	86	13.78	161	39.916	92	53.83	81
16.5	29.937	44	34.57	132	20.101	60	73.79	17	62.809	48	15.39	181	40.008	60	54.64	102
26.5	29.981	11	35.89	146	20.161	31	73.96	2	62.857	13	17.20	193	40.068	28	55.66	118
Nov. 5.4	29.992	18	37.35	152	20.192	3	73.94	17	62.870	20	19.13	196	40.096	0	56.84	127
15.4	29.974	47	38.87	152	20.195	24	73.77	31	62.850	51	21.09	191	40.096	29	58.11	132
25.4	29.927	71	40.39	146	20.171	49	73.46	42	62.799	78	23.00	180	40.067	54	59.43	129
Dez. 5.4	29.856	94	41.85	133	20.122	72	73.04	52	62.721	102	24.80	160	40.013	77	60.72	123
15.3	29.762	113	43.18	117	20.050	93	72.52	58	62.619	124	26.40	136	39.936	98	61.95	112
25.3	29.649	129	44.35	95	19.957	111	71.94	64	62.495	141	27.76	107	39.838	117	63.07	97
35.3	29.520		45.30		19.846		71.30		62.354		28.83		39.721		64.04	
Mittl. Ort	26.656		52.37		16.328		56.41		59.523		32.15		36.567		71.68	
sec δ, tg δ	1.042		−0.293		1.012		+0.154		1.107		−0.476		1.018		−0.189	

*) Die jährliche Parallaxe (0″.31) ist bereits berücksichtigt

Mittlere Zeit Greenw.	64) α Trianguli AR.		Dekl.		63) ε Cassiopeiae AR.		Dekl.		65) ξ Piscium AR.		Dekl.		66) β Arietis AR.		Dekl.	
1922	1h 48m		+29° 11′		1h 48m		+63° 17′		1h 49m		+2° 48′		1h 50m		+20° 25′	
Jan. 0.3	38.912	142	63.47	29	48.36	36	26.15	57	31.674	119	7.35	74	20.584	127	41.04	46
10.3	38.770	159	63.18	54	48.00	38	26.72	4	31.555	131	6.61	71	20.457	142	40.58	61
20.2	38.611	168	62.64	76	47.62	40	26.76	50	31.424	140	5.90	63	20.315	152	39.97	74
30.2	38.443	170	61.88	96	47.22	40	26.26	102	31.284	141	5.27	55	20.163	155	39.23	85
Feb. 9.2	38.273	163	60.92	113	46.82	38	25.24	149	31.143	136	4.72	45	20.008	149	38.38	92
19.2	38.110	148	59.79	124	46.44	33	23.75	189	31.007	124	4.27	31	19.859	134	37.46	96
März 1.1	37.962	122	58.55	130	46.11	28	21.86	223	30.883	104	3.96	16	19.725	113	36.50	94
11.1	37.840	89	57.25	129	45.83	21	19.63	246	30.779	76	3.80	2	19.612	82	35.56	87
21.1	37.751	48	55.96	123	45.62	13	17.17	259	30.703	41	3.82	23	19.530	44	34.69	76
31.1	37.703	1	54.73	110	45.49	3	14.58	262	30.662	3	4.05	44	19.486	2	33.93	60
Apr. 10.0	37.702	49	53.63	91	45.46	6	11.96	254	30.659	40	4.49	66	19.484	45	33.33	40
20.0	37.751	100	52.72	67	45.52	15	9.42	237	30.699	84	5.15	91	19.529	92	32.93	16
30.0	37.851	151	52.05	41	45.67	25	7.05	210	30.783	129	6.06	113	19.621	140	32.77	10
Mai 9.9	38.002	198	51.64	10	45.92	33	4.95	177	30.912	170	7.19	134	19.761	185	32.87	37
19.9	38.200	240	51.54	21	46.25	41	3.18	137	31.082	209	8.53	152	19.946	225	33.24	65
29.9	38.440	276	51.75	52	46.66	46	1.81	93	31.291	242	10.05	168	20.171	259	33.89	92
Juni 8.9	38.716	305	52.27	82	47.12	52	0.88	48	31.533	268	11.73	179	20.430	286	34.81	115
18.8	39.021	324	53.09	110	47.64	56	0.40	1	31.801	287	13.52	186	20.716	305	35.96	136
28.8	39.345	335	54.19	135	48.20	58	0.41	47	32.088	298	15.38	186	21.021	317	37.32	154
Juli 8.8	39.680	338	55.54	156	48.78	58	0.88	93	32.386	301	17.24	183	21.338	319	38.86	167
18.8	40.018	332	57.10	173	49.36	57	1.81	136	32.687	298	19.07	174	21.657	314	40.53	175
28.7	40.350	319	58.83	184	49.93	55	3.17	176	32.985	287	20.81	161	21.971	303	42.28	179
Aug. 7.7	40.669	299	60.67	192	50.48	52	4.93	212	33.272	269	22.42	143	22.274	284	44.07	178
17.7	40.968	275	62.59	195	51.00	48	7.05	242	33.541	247	23.85	121	22.558	261	45.85	173
27.6	41.243	245	64.54	194	51.48	43	9.47	268	33.788	220	25.06	98	22.819	233	47.58	164
Sept. 6.6	41.488	214	66.48	189	51.91	37	12.15	288	34.008	192	26.04	73	23.052	203	49.22	152
16.6	41.702	180	68.37	180	52.28	32	15.03	303	34.200	160	26.77	47	23.255	172	50.74	137
26.6	41.882	146	70.17	168	52.60	25	18.06	311	34.360	129	27.24	22	23.427	139	52.11	122
Okt. 6.5	42.028	111	71.85	155	52.85	18	21.17	313	34.489	97	27.46	1	23.566	107	53.33	104
16.5	42.139	77	73.40	139	53.03	11	24.30	308	34.586	66	27.45	21	23.673	75	54.37	87
26.5	42.216	44	74.79	121	53.14	4	27.38	297	34.652	37	27.24	39	23.748	43	55.24	68
Nov. 5.4	42.260	11	76.00	102	53.18	2	30.35	280	34.689	9	26.85	53	23.791	14	55.92	51
15.4	42.271	21	77.02	82	53.16	10	33.15	254	34.698	18	26.32	64	23.805	16	56.43	33
25.4	42.250	51	77.84	60	53.06	17	35.69	222	34.680	44	25.68	71	23.789	43	56.76	16
Dez. 5.4	42.199	80	78.44	36	52.89	22	37.91	184	34.636	68	24.97	75	23.746	70	56.92	2
15.3	42.119	107	78.80	12	52.67	29	39.75	139	34.568	89	24.22	77	23.676	95	56.90	19
25.3	42.012	131	78.92	13	52.38	33	41.14	91	34.479	109	23.45	75	23.581	117	56.71	35
35.3	41.881		78.79		52.05		42.05		34.370		22.70		23.464		56.36	
Mittl. Ort	37.795		57.95		45.89		12.20		30.931		10.55		19.608		38.39	
sec δ, tg δ	1.145		+0.559		2.225		+1.987		1.001		+0.049		1.067		+0.373	

Mittlere Zeit Greenw.	67) ψ Phoenicis AR.		Dekl.		68) χ Eridani AR.		Dekl.		72) α Hydri AR.		Dekl.		71) υ Ceti AR.		Dekl.	
1922	1h 50m		−46° 40′		1h 52m		−51° 59′		1h 56m		−61° 56′		1h 56m		−21° 26′	
Jan. 0.3	31.446	236	81.92	84	55.552	273	68.19	81	18.81	39	77.46	73	20.329	140	90.18	97
10.3	31.210	247	82.76	33	55.279	285	69.00	26	18.42	41	78.19	13	20.189	153	91.15	67
20.3	30.963	250	83.09	17	54.994	288	69.26	27	18.01	41	78.32	44	20.036	160	91.82	36
30.2	30.713	247	82.92	68	54.706	283	68.99	81	17.60	39	77.88	101	19.876	162	92.18	2
Feb. 9.2	30.466	233	82.24	116	54.423	268	68.18	131	17.21	38	76.87	154	19.714	157	92.20	30
19.2	30.233	212	81.08	162	54.155	244	66.87	177	16.83	34	75.33	203	19.557	143	91.90	63
März 1.1	30.021	182	79.46	202	53.911	210	65.10	220	16.49	30	73.30	246	19.414	123	91.27	95
11.1	29.839	144	77.44	239	53.701	168	62.90	257	16.19	25	70.84	283	19.291	95	90.32	125
21.1	29.695	98	75.05	269	53.533	118	60.33	288	15.94	18	68.01	314	19.196	61	89.07	154
31.1	29.597	48	72.36	295	53.415	63	57.45	313	15.76	11	64.87	338	19.135	22	87.53	180
Apr. 10.0	29.549	7	69.41	314	53.352	2	54.32	331	15.65	4	61.49	354	19.113	23	85.73	204
20.0	29.556	65	66.27	327	53.350	60	51.01	342	15.61	5	57.95	361	19.136	68	83.69	223
30.0	29.621	123	63.00	332	53.410	125	47.59	346	15.66	12	54.34	362	19.204	114	81.46	239
Mai 10.0	29.744	179	59.68	330	53.535	186	44.13	342	15.78	21	50.72	355	19.318	159	79.07	250
19.9	29.923	232	56.38	320	53.721	245	40.71	330	15.99	28	47.17	338	19.477	200	76.57	255
29.9	30.155	279	53.18	303	53.966	296	37.41	310	16.27	35	43.79	315	19.677	236	74.02	254
Juni 8.9	30.434	319	50.15	279	54.262	342	34.31	283	16.62	40	40.64	282	19.913	266	71.48	247
18.8	30.753	350	47.36	246	54.604	378	31.48	248	17.02	46	37.82	244	20.179	289	69.01	233
28.8	31.103	372	44.90	208	54.982	403	29.00	206	17.48	49	35.38	199	20.468	304	66.68	213
Juli 8.8	31.475	384	42.82	164	55.385	417	26.94	161	17.97	51	33.39	148	20.772	311	64.55	188
18.8	31.859	385	41.18	115	55.802	421	25.33	109	18.48	52	31.91	92	21.083	310	62.67	157
28.7	32.244	377	40.03	63	56.223	412	24.24	53	19.00	52	30.99	35	21.393	301	61.10	121
Aug. 7.7	32.621	356	39.40	8	56.635	393	23.71	2	19.52	49	30.64	25	21.694	285	59.89	83
17.7	32.977	329	39.32	45	57.028	363	23.73	58	20.01	46	30.89	83	21.979	264	59.06	41
27.6	33.306	293	39.77	98	57.391	325	24.31	113	20.47	41	31.72	139	22.243	235	58.65	1
Sept. 6.6	33.599	251	40.75	147	57.716	277	25.44	163	20.88	35	33.11	190	22.478	205	58.64	41
16.6	33.850	203	42.22	191	57.993	225	27.07	206	21.23	28	35.01	235	22.683	172	59.05	78
26.6	34.053	152	44.13	227	58.218	169	29.13	244	21.51	21	37.36	270	22.855	136	59.83	112
Okt. 6.5	34.205	99	46.40	254	58.387	109	31.57	270	21.72	12	40.06	297	22.991	100	60.95	140
16.5	34.304	48	48.94	271	58.496	50	34.27	287	21.84	5	43.03	311	23.091	65	62.35	162
26.5	34.352	4	51.65	278	58.546	9	37.14	293	21.89	3	46.14	314	23.156	31	63.97	177
Nov. 5.4	34.348	52	54.43	274	58.537	64	40.07	286	21.86	11	49.28	304	23.187	2	65.74	183
15.4	34.296	97	57.17	258	58.473	115	42.93	269	21.75	18	52.32	283	23.185	32	67.57	182
25.4	34.199	137	59.75	234	58.358	161	45.62	241	21.57	24	55.15	251	23.153	60	69.39	174
Dez. 5.4	34.062	171	62.09	200	58.197	201	48.03	204	21.33	30	57.66	210	23.093	86	71.13	159
15.3	33.891	201	64.09	159	57.996	233	50.07	161	21.03	34	59.76	160	23.007	110	72.72	139
25.3	33.690	223	65.68	114	57.763	259	51.68	112	20.69	37	61.36	107	22.897	129	74.11	113
35.3	33.467		66.82		57.504		52.80		20.32		62.43		22.768		75.24	
Mittl. Ort	31.186		64.09		55.331		49.25		18.69		56.85		19.786		78.84	
sec δ, tg δ	1.458		−1.061		1.624		−1.280		2.126		−1.877		1.074		−0.393	

Mittlere Zeit Greenw.	70) 50 Cassiopeiae				73) γ Andromedae				74) α Arietis				75) β Trianguli			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$1^h\ 56^m$		$+72^\circ\ 2'$		$1^h\ 59^m$		$+41^\circ\ 57'$		$2^h\ 2^m$		$+23^\circ\ 5'$		$2^h\ 4^m$		$+34^\circ\ 37'$	
Jan. 0.3	48.08	55	55.97	91	7.691	176	30.41	10	47.387	127	42.35	35	55.075	149	14.76	5
10.3	47.53	60	56.88	32	7.515	197	30.51	26	47.260	145	42.00	53	54.926	169	14.71	34
20.3	46.93	62	57.20	25	7.318	211	30.25	61	47.115	157	41.47	68	54.757	184	14.37	62
30.2	46.31	62	56.95	84	7.107	215	29.64	95	46.958	162	40.79	82	54.573	189	13.75	88
Feb. 9.2	45.69	59	56.11	138	6.892	208	28.69	125	46.796	158	39.97	92	54.384	185	12.87	110
19.2	45.10	53	54.73	185	6.684	190	27.44	148	46.638	146	39.05	98	54.199	170	11.77	128
März 1.1	44.57	45	52.88	225	6.494	161	25.96	166	46.492	125	38.07	101	54.029	146	10.49	140
11.1	44.12	35	50.63	257	6.333	122	24.30	177	46.367	95	37.06	97	53.883	112	9.09	146
21.1	43.77	22	48.06	275	6.211	73	22.53	179	46.272	57	36.09	88	53.771	69	7.63	144
31.1	43.55	10	45.31	285	6.138	20	20.74	174	46.215	15	35.21	75	53.702	21	6.19	136
Apr. 10.0	43.45	4	42.46	282	6.118	39	19.00	161	46.200	32	34.46	57	53.681	32	4.83	122
20.0	43.49	18	39.64	269	6.157	100	17.39	140	46.232	82	33.89	34	53.713	86	3.61	101
30.0	43.67	31	36.95	246	6.257	158	15.99	114	46.314	131	33.55	9	53.799	141	2.60	76
Mai 10.0	43.98	43	34.49	215	6.415	214	14.85	83	46.445	177	33.46	18	53.940	192	1.84	47
19.9	44.41	54	32.34	176	6.629	263	14.02	50	46.622	219	33.64	45	54.132	238	1.37	16
29.9	44.95	64	30.58	134	6.892	306	13.52	13	46.841	255	34.09	73	54.370	279	1.21	17
Juni 8.9	45.59	70	29.24	86	7.198	340	13.39	24	47.096	284	34.82	98	54.649	310	1.38	49
18.8	46.29	77	28.38	37	7.538	364	13.63	59	47.380	306	35.80	120	54.959	334	1.87	80
28.8	47.06	79	28.01	13	7.902	379	14.22	94	47.686	318	37.00	140	55.293	348	2.67	109
Juli 8.8	47.85	81	28.14	63	8.281	384	15.16	125	48.004	324	38.40	156	55.641	354	3.76	134
18.8	48.66	80	28.77	111	8.665	379	16.41	153	48.328	321	39.96	167	55.995	351	5.10	156
28.7	49.46	78	29.88	156	9.044	367	17.94	178	48.649	311	41.63	173	56.346	341	6.66	173
Aug. 7.7	50.24	74	31.44	197	9.411	347	19.72	196	48.960	294	43.36	175	56.687	323	8.39	187
17.7	50.98	69	33.41	234	9.758	321	21.68	212	49.254	273	45.11	174	57.010	299	10.26	196
27.6	51.67	62	35.75	267	10.079	291	23.80	222	49.527	247	46.85	167	57.309	272	12.22	199
Sept. 6.6	52.29	54	38.42	293	10.370	255	26.02	228	49.774	217	48.52	158	57.581	241	14.21	200
16.6	52.83	46	41.35	313	10.625	218	28.30	229	49.991	187	50.10	146	57.822	208	16.21	197
26.6	53.29	37	44.48	328	10.843	180	30.59	227	50.178	155	51.56	132	58.030	172	18.18	190
Okt. 6.5	53.66	27	47.76	336	11.023	141	32.86	219	50.333	122	52.88	117	58.202	137	20.08	180
16.5	53.93	18	51.12	336	11.164	100	35.05	209	50.455	90	54.05	101	58.339	101	21.88	167
26.5	54.11	6	54.48	330	11.264	60	37.14	195	50.545	59	55.06	83	58.440	66	23.55	153
Nov. 5.4	54.17	5	57.78	315	11.324	21	39.09	176	50.604	27	55.89	66	58.506	30	25.08	135
15.4	54.12	15	60.93	292	11.345	20	40.85	154	50.631	3	56.55	49	58.536	6	26.43	115
25.4	53.97	25	63.85	262	11.325	57	42.39	129	50.628	34	57.04	31	58.530	40	27.58	93
Dez. 5.4	53.72	36	66.47	223	11.268	96	43.68	100	50.594	62	57.35	13	58.490	74	28.51	68
15.3	53.36	44	68.70	178	11.172	130	44.68	67	50.532	90	57.48	5	58.416	106	29.19	42
25.3	52.92	52	70.48	126	11.042	161	45.35	34	50.442	114	57.43	23	58.310	135	29.61	14
35.3	52.40		71.74		10.881		45.69		50.328		57.20		58.175		29.75	
Mittl. Ort	44.37		41.25		6.207		21.85		46.297		39.49		53.747		8.56	
sec δ, tg δ	3.244		+3.086		1.345		+0.899		1.087		+0.426		1.215		+0.690	

Mittlere Zeit Greenw.	76) 55 Cassiopeiae				78) Lac. μ Fornacis				80) 67 Ceti				85) ξ² Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$2^h 8^m$		+66° 9′		$2^h 9^m$		−31° 4′		$2^h 13^m$		−6° 46′		$2^h 24^m$		+8° 6′	
Jan. 0.3	23.31	39	48.37	88	28.969	162	95.76	109	6.266	116	58.93	93	1.545	109	37.22	64
10.3	22.92	43	49.25	34	28.807	177	96.85	70	6.150	134	59.86	76	1.436	129	36.58	65
20.3	22.49	45	49.59	20	28.630	186	97.55	30	6.016	145	60.62	59	1.307	143	35.93	64
30.2	22.04	46	49.39	75	28.444	190	97.85	11	5.871	151	61.21	40	1.164	152	35.29	59
Feb. 9.2	21.58	44	48.64	125	28.254	184	97.74	52	5.720	149	61.61	19	1.012	152	34.70	55
19.2	21.14	40	47.39	171	28.070	172	97.22	91	5.571	141	61.80	2	0.860	145	34.15	47
März 1.2	20.74	35	45.68	209	27.898	152	96.31	129	5.430	123	61.78	24	0.715	130	33.68	36
11.1	20.39	28	43.59	237	27.746	123	95.02	164	5.307	98	61.54	49	0.585	104	33.32	24
21.1	20.11	19	41.22	257	27.623	87	93.38	196	5.209	67	61.05	72	0.481	73	33.08	7
31.1	19.92	9	38.65	266	27.536	47	91.42	223	5.142	29	60.33	96	0.408	35	33.01	11
Apr. 10.0	19.83	2	35.99	263	27.489	0	89.19	248	5.113	13	59.37	120	0.373	8	33.12	31
20.0	19.85	12	33.36	251	27.489	48	86.71	267	5.126	58	58.17	142	0.381	53	33.43	53
30.0	19.97	23	30.85	230	27.537	98	84.04	280	5.184	102	56.75	162	0.434	99	33.96	75
Mai 10.0	20.20	32	28.55	201	27.635	146	81.24	288	5.286	145	55.13	180	0.533	144	34.71	96
19.9	20.52	41	26.54	165	27.781	191	78.36	288	5.431	186	53.33	193	0.677	185	35.67	118
29.9	20.93	49	24.89	124	27.972	233	75.48	283	5.617	222	51.40	203	0.862	221	36.85	135
Juni 8.9	21.42	55	23.65	80	28.205	266	72.65	271	5.839	251	49.37	207	1.083	252	38.20	150
18.9	21.97	59	22.85	33	28.471	294	69.94	250	6.090	275	47.30	207	1.335	276	39.70	161
28.8	22.56	63	22.52	14	28.765	313	67.44	225	6.365	290	45.23	200	1.611	292	41.31	168
Juli 8.8	23.19	63	22.66	61	29.078	325	65.19	191	6.655	297	43.23	187	1.903	300	42.99	170
18.8	23.82	64	23.27	106	29.403	326	63.28	154	6.952	298	41.36	171	2.203	302	44.69	166
28.8	24.46	62	24.33	147	29.729	321	61.74	111	7.250	291	39.65	148	2.505	296	46.35	159
Aug. 7.7	25.08	59	25.80	187	30.050	308	60.63	65	7.541	278	38.17	122	2.801	284	47.94	147
17.7	25.67	56	27.67	220	30.358	286	59.98	18	7.819	260	36.95	92	3.085	266	49.41	130
27.7	26.23	51	29.87	251	30.644	260	59.80	30	8.079	236	36.03	61	3.351	244	50.71	112
Sept. 6.6	26.74	45	32.38	274	30.904	227	60.10	76	8.315	209	35.42	28	3.595	220	51.83	91
16.6	27.19	39	35.12	294	31.131	193	60.86	119	8.524	180	35.14	4	3.815	192	52.74	69
26.6	27.58	32	38.06	307	31.324	155	62.05	157	8.704	149	35.18	33	4.007	163	53.43	47
Okt. 6.6	27.90	25	41.13	314	31.479	115	63.62	187	8.853	118	35.51	60	4.170	134	53.90	25
16.5	28.15	17	44.27	314	31.594	77	65.49	211	8.971	87	36.11	82	4.304	104	54.15	5
26.5	28.32	9	47.41	308	31.671	38	67.60	224	9.058	56	36.93	101	4.408	74	54.20	12
Nov. 5.5	28.41	2	50.49	294	31.709	0	69.84	230	9.114	26	37.94	112	4.482	45	54.08	27
15.4	28.43	7	53.43	275	31.709	34	72.14	226	9.140	3	39.06	120	4.527	15	53.81	39
25.4	28.36	15	56.18	246	31.675	68	74.40	212	9.137	30	40.26	121	4.542	14	53.42	49
Dez. 5.4	28.21	23	58.64	210	31.607	99	76.52	192	9.107	57	41.47	117	4.528	43	52.93	56
15.4	27.98	29	60.74	169	31.508	125	78.44	164	9.050	83	42.64	111	4.485	69	52.37	59
25.3	27.69	36	62.43	121	31.383	148	80.08	130	8.967	104	43.75	99	4.416	96	51.78	62
35.3	27.33		63.64		31.235		81.38		8.863		44.74		4.320		51.16	
Mittl. Ort	20.34		35.30		28.419		81.33		5.492		51.66		0.555		40.16	
sec δ, tg δ	2.474		+2.263		1.168		−0.603		1.007		−0.119		1.010		+0.142	

Mittlere Zeit Greenw.	87) 36 H. Cassiopeiae AR.		87) 36 H. Cassiopeiae Dekl.		90) μ Hydri AR.		90) μ Hydri Dekl.	
1922	$2^h\ 30^m$		+72° 28′		$2^h\ 33^m$		−79° 26′	
	s		″		s		″	
Jan. 0.3	39.10	52	54.62	132	18.10	115	81.68	95
10.3	38.58	58	55.94	77	16.95	121	82.63	34
20.3	38.00	63	56.71	21	15.74	123	82.97	26
30.2	37.37	65	56.92	38	14.51	123	82.71	86
Feb. 9.2	36.72	63	56.54	94	13.28	118	81.85	142
19.2	36.09	60	55.60	146	12.10	112	80.43	194
März 1.2	35.49	53	54.14	191	10.98	101	78.49	239
11.1	34.96	44	52.23	229	9.97	89	76.10	279
21.1	34.52	33	49.94	256	9.08	74	73.31	312
31.1	34.19	20	47.38	273	8.34	58	70.19	337
Apr. 10.0	33.99	6	44.65	279	7.76	40	66.82	356
20.0	33.93	8	41.86	275	7.36	21	63.26	366
30.0	34.01	22	39.11	260	7.15	1	59.60	367
Mai 10.0	34.23	35	36.51	238	7.14	18	55.93	361
19.9	34.58	47	34.13	205	7.32	37	52.32	347
29.9	35.05	58	32.08	169	7.69	56	48.85	324
Juni 8.9	35.63	67	30.39	126	8.25	73	45.61	294
18.9	36.30	74	29.13	81	8.98	87	42.67	255
28.8	37.04	79	28.32	33	9.85	100	40.12	211
Juli 8.8	37.83	83	27.99	15	10.85	110	38.01	160
18.8	38.66	84	28.14	63	11.95	116	36.41	104
28.7	39.50	82	28.77	108	13.11	120	35.37	46
Aug. 7.7	40.32	81	29.85	151	14.31	118	34.91	15
17.7	41.13	76	31.36	192	15.49	115	35.06	76
27.7	41.89	72	33.28	227	16.64	106	35.82	134
Sept. 6.6	42.61	65	35.55	258	17.70	94	37.16	189
16.6	43.26	57	38.13	283	18.64	80	39.05	237
26.6	43.83	49	40.96	305	19.44	62	41.42	277
Okt. 6.6	44.32	39	44.01	318	20.06	42	44.19	307
16.5	44.71	29	47.19	326	20.48	20	47.26	325
26.5	45.00	19	50.45	327	20.68	1	50.51	332
Nov. 5.5	45.19	7	53.72	320	20.67	24	53.83	325
15.4	45.26	4	56.92	305	20.43	45	57.08	306
25.4	45.22	16	59.97	282	19.98	65	60.14	276
Dez. 5.4	45.06	27	62.79	251	19.33	82	62.90	234
15.4	44.79	38	65.30	212	18.51	97	65.24	185
25.3	44.41	47	67.42	165	17.54	109	67.09	130
35.3	43.94		69.07		16.45		68.39	
Mittl. Ort	34.81		42.36		17.25		59.45	
sec δ, tg δ	3.322		+3.167		5.462		−5.369	

Mittlere Zeit Greenw.	89) ν Arietis AR.		89) ν Arietis Dekl.		91) δ Ceti AR.		91) δ Ceti Dekl.	
1922	$2^h\ 34^m$		+21° 37′		$2^h\ 35^m$		−0° 0′	
	s		″		s		″	
Jan. 0.3	24.202	112	30.43	26	29.908	105	32.09	84
10.3	24.090	136	30.17	41	29.803	127	32.93	75
20.3	23.954	155	29.76	53	29.676	143	33.68	64
30.2	23.799	166	29.23	65	29.533	153	34.32	52
Feb. 9.2	23.633	168	28.58	73	29.380	156	34.84	38
19.2	23.465	162	27.85	81	29.224	150	35.22	22
März 1.2	23.303	146	27.04	82	29.074	136	35.44	5
11.1	23.157	120	26.22	81	28.938	114	35.49	14
21.1	23.037	86	25.41	75	28.824	83	35.35	34
31.1	22.951	46	24.66	63	28.741	47	35.01	55
Apr. 10.0	22.905	1	24.03	49	28.694	6	34.46	77
20.0	22.904	48	23.54	30	28.688	38	33.69	99
30.0	22.952	98	23.24	8	28.726	84	32.70	121
Mai 10.0	23.050	145	23.16	15	28.810	128	31.49	140
19.9	23.195	190	23.31	40	28.938	170	30.09	157
29.9	23.385	229	23.71	65	29.108	207	28.52	170
Juni 8.9	23.614	262	24.36	87	29.315	239	26.82	180
18.9	23.876	288	25.23	107	29.554	265	25.02	185
28.8	24.164	306	26.30	125	29.819	282	23.17	185
Juli 8.8	24.470	317	27.55	139	30.101	293	21.32	180
18.8	24.787	318	28.94	150	30.394	297	19.52	169
28.7	25.105	315	30.44	155	30.691	293	17.83	154
Aug. 7.7	25.420	302	31.99	156	30.984	283	16.29	134
17.7	25.722	286	33.55	153	31.267	268	14.95	110
27.7	26.008	266	35.08	148	31.535	248	13.85	85
Sept. 6.6	26.274	240	36.56	138	31.783	224	13.00	57
16.6	26.514	213	37.94	127	32.007	198	12.43	29
26.6	26.727	185	39.21	114	32.205	170	12.14	1
Okt. 6.6	26.912	154	40.35	99	32.375	141	12.13	23
16.5	27.066	124	41.34	84	32.516	111	12.36	46
26.5	27.190	92	42.18	70	32.627	82	12.82	64
Nov. 5.5	27.282	61	42.88	55	32.709	52	13.46	78
15.4	27.343	29	43.43	40	32.761	22	14.24	87
25.4	27.372	3	43.83	26	32.783	8	15.11	93
Dez. 5.4	27.369	36	44.09	12	32.775	36	16.04	95
15.4	27.333	67	44.21	2	32.739	65	16.99	92
25.3	27.266	97	44.19	17	32.674	91	17.91	86
35.3	27.169		44.02		32.583		18.77	
Mittl. Ort	22.970		29.71		28.949		26.13	
sec δ, tg δ	1.076		+0.396		1.000		0.000	

Mittlere Zeit Greenw.	93) ϑ Persei AR.		93) ϑ Persei Dekl.		97) π Ceti AR.		97) π Ceti Dekl.		98) μ Ceti AR.		98) μ Ceti Dekl.		100) 41 Arietis AR.		100) 41 Arietis Dekl.	
1922	$2^h\,38^m$		$+48°\,53'$		$2^h\,40^m$		$-14°\,11'$		$2^h\,40^m$		$+9°\,47'$		$2^h\,45^m$		$+26°\,56'$	
	s		"		s		"		s		"		s		"	
Jan. 0.3	53.735	183	65.78	65	25.435	116	28.34	114	44.452	102	4.96	60	24.642	113	25.27	6
10.3	53.552	218	66.43	26	25.319	138	29.48	91	44.350	125	4.36	61	24.529	141	25.21	24
20.3	53.334	243	66.69	14	25.181	153	30.39	65	44.225	143	3.75	60	24.388	162	24.97	42
30.3	53.091	258	66.55	54	25.028	164	31.04	38	44.082	155	3.15	59	24.226	175	24.55	59
Feb. 9.2	52.833	260	66.01	91	24.864	167	31.42	10	43.927	158	2.56	54	24.051	181	23.96	74
19.2	52.573	249	65.10	124	24.697	161	31.52	19	43.769	154	2.02	49	23.870	175	23.22	86
März 1.2	52.324	225	63.86	154	24.536	148	31.33	47	43.615	139	1.53	41	23.695	160	22.36	95
11.2	52.099	186	62.32	174	24.388	126	30.86	75	43.476	118	1.12	29	23.535	135	21.41	98
21.1	51.913	138	60.58	188	24.262	96	30.11	104	43.358	87	0.83	16	23.400	101	20.43	97
31.1	51.775	80	58.70	194	24.166	60	29.07	130	43.271	49	0.67	1	23.299	59	19.46	90
Apr. 10.1	51.695	15	56.76	192	24.106	19	27.77	155	43.222	8	0.68	20	23.240	12	18.56	79
20.1	51.680	52	54.84	180	24.087	26	26.22	178	43.214	38	0.88	40	23.228	39	17.77	62
30.0	51.732	120	53.04	163	24.113	71	24.44	197	43.252	85	1.28	61	23.267	90	17.15	42
Mai 10.0	51.852	185	51.41	138	24.184	117	22.47	214	43.337	130	1.89	83	23.357	140	16.73	19
20.0	52.037	247	50.03	110	24.301	160	20.33	225	43.467	173	2.72	104	23.497	188	16.54	5
29.9	52.284	299	48.93	76	24.461	199	18.08	231	43.640	210	3.76	121	23.685	229	16.59	30
Juni 8.9	52.583	345	48.17	41	24.660	232	15.77	232	43.850	243	4.97	138	23.914	264	16.89	56
18.9	52.928	380	47.76	5	24.892	260	13.45	227	44.093	270	6.35	149	24.178	293	17.45	80
28.8	53.308	405	47.71	31	25.152	280	11.18	216	44.363	287	7.84	158	24.471	313	18.25	100
Juli 8.8	53.713	421	48.02	67	25.432	294	9.02	198	44.650	299	9.42	161	24.784	325	19.25	119
18.8	54.134	426	48.69	99	25.726	299	7.04	175	44.949	303	11.03	160	25.109	330	20.44	134
28.8	54.560	421	49.68	130	26.025	296	5.29	147	45.252	299	12.63	154	25.439	327	21.78	144
Aug. 7.7	54.981	408	50.98	157	26.321	289	3.82	114	45.551	290	14.17	144	25.766	317	23.22	152
17.7	55.389	389	52.55	180	26.610	273	2.68	78	45.841	275	15.61	130	26.083	302	24.74	154
27.7	55.778	362	54.35	199	26.883	254	1.90	41	46.116	255	16.91	112	26.385	282	26.28	154
Sept. 6.7	56.140	331	56.34	213	27.137	231	1.49	1	46.371	232	18.03	94	26.667	258	27.82	149
16.6	56.471	296	58.47	224	27.368	203	1.48	35	46.603	207	18.97	72	26.925	231	29.31	143
26.6	56.767	257	60.71	231	27.571	174	1.83	70	46.810	180	19.69	52	27.156	203	30.74	134
Okt. 6.6	57.024	216	63.02	233	27.745	144	2.53	101	46.990	151	20.21	30	27.359	172	32.08	124
16.5	57.240	172	65.35	231	27.889	112	3.54	127	47.141	122	20.51	12	27.531	142	33.32	111
26.5	57.412	128	67.66	224	28.001	80	4.81	147	47.263	93	20.63	5	27.673	109	34.43	99
Nov. 5.5	57.540	80	69.90	214	28.081	48	6.28	159	47.356	63	20.58	19	27.782	76	35.42	86
15.5	57.620	32	72.04	198	28.129	16	7.87	165	47.419	32	20.39	32	27.858	42	36.28	72
25.4	57.652	18	74.02	178	28.145	15	9.52	164	47.451	1	20.07	41	27.900	7	37.00	57
Dez. 5.4	57.634	67	75.80	153	28.130	45	11.16	156	47.452	28	19.66	48	27.907	28	37.57	41
15.4	57.567	115	77.33	123	28.085	74	12.72	143	47.424	58	19.18	53	27.879	63	37.98	25
25.3	57.452	159	78.56	89	28.011	101	14.15	126	47.366	87	18.65	57	27.816	96	38.23	7
35.3	57.293		79.45		27.910		15.41		47.279		18.08		27.720		38.30	
Mittl. Ort	51.743		58.18		24.571		17.96		43.357		8.12		23.260		23.64	
sec δ, tg δ	1.521		+1.146		1.031		−0.253		1.015		+0.172		1.122		+0.508	

Mittlere Zeit Greenw.	101) β Fornacis AR.		Dekl.		102) τ² Eridani AR.		Dekl.		103) τ Persei AR.		Dekl.		104) η Eridani AR.		Dekl.	
1922	2h 45m		−32° 43′		2h 47m		−21° 19′		2h 48m		+52° 26′		2h 52m		−9° 12′	
	s		″		s		″		s		″		s		″	
Jan. 0.3	50.326	156	73.79	141	30.859	126	42.57	130	45.197	195	47.22	86	37.910	106	37.57	110
10.3	50.170	178	75.20	102	30.733	148	43.87	99	45.002	236	48.08	45	37.804	128	38.67	92
20.3	49.992	196	76.22	59	30.585	166	44.86	68	44.766	267	48.53	3	37.676	148	39.59	70
30.3	49.796	205	76.81	16	30.419	176	45.54	33	44.499	284	48.56	39	37.528	160	40.29	48
Feb. 9.2	49.591	208	76.97	27	30.243	180	45.87	1	44.215	290	48.17	81	37.368	165	40.77	25
19.2	49.383	201	76.70	70	30.063	176	45.86	36	43.925	279	47.36	117	37.203	163	41.02	0
März 1.2	49.182	186	76.00	110	29.887	162	45.50	70	43.646	255	46.19	150	37.040	150	41.02	25
11.1	48.996	161	74.90	149	29.725	140	44.80	102	43.391	216	44.69	176	36.890	130	40.77	50
21.1	48.835	129	73.41	184	29.585	110	43.78	134	43.175	164	42.93	194	36.760	103	40.27	75
31.1	48.706	90	71.57	215	29.475	75	42.44	163	43.011	104	40.99	204	36.657	67	39.52	101
Apr. 10.1	48.616	45	69.42	243	29.400	32	40.81	189	42.907	36	38.95	204	36.590	27	38.51	125
20.0	48.571	4	66.99	266	29.368	13	38.92	213	42.871	37	36.91	198	36.563	17	37.26	147
30.0	48.575	54	64.33	282	29.381	60	36.79	232	42.908	110	34.93	182	36.580	62	35.79	168
Mai 10.0	48.629	105	61.51	294	29.441	107	34.47	246	43.018	181	33.11	160	36.642	107	34.11	186
20.0	48.734	154	58.57	298	29.548	151	32.01	255	43.199	247	31.51	133	36.749	151	32.25	199
29.9	48.888	198	55.59	295	29.699	193	29.46	259	43.446	306	30.18	100	36.900	190	30.26	209
Juni 8.9	49.086	238	52.64	286	29.892	229	26.87	255	43.752	356	29.18	65	37.090	224	28.17	214
18.9	49.324	272	49.78	269	30.121	258	24.32	246	44.108	395	28.53	29	37.314	252	26.03	212
28.8	49.596	297	47.09	244	30.379	281	21.86	230	44.503	425	28.24	9	37.566	274	23.91	205
Juli 8.8	49.893	314	44.65	214	30.660	296	19.56	206	44.928	444	28.33	46	37.840	287	21.86	193
18.8	50.207	325	42.51	176	30.956	304	17.50	179	45.372	452	28.79	81	38.127	295	19.93	174
28.8	50.532	326	40.75	133	31.260	304	15.71	144	45.824	451	29.60	113	38.422	294	18.19	151
Aug. 7.7	50.858	319	39.42	87	31.564	297	14.27	106	46.275	439	30.73	144	38.716	287	16.68	123
17.7	51.177	305	38.55	37	31.861	284	13.21	64	46.714	421	32.17	170	39.003	275	15.45	91
27.7	51.482	285	38.18	13	32.145	264	12.57	21	47.135	395	33.87	193	39.278	257	14.54	58
Sept. 6.7	51.767	258	38.31	62	32.409	241	12.36	23	47.530	364	35.80	212	39.535	236	13.96	22
16.6	52.025	227	38.93	110	32.650	213	12.59	64	47.894	328	37.92	225	39.771	210	13.74	13
26.6	52.252	193	40.03	153	32.863	183	13.23	103	48.222	288	40.17	236	39.981	184	13.87	46
Okt. 6.6	52.445	156	41.56	189	33.046	152	14.26	137	48.510	244	42.53	242	40.165	155	14.33	76
16.5	52.601	118	43.45	217	33.198	118	15.63	165	48.754	199	44.95	243	40.320	125	15.09	101
26.5	52.719	78	45.62	237	33.316	84	17.28	185	48.953	150	47.38	239	40.445	95	16.10	121
Nov. 5.5	52.797	39	47.99	248	33.400	50	19.13	197	49.103	98	49.77	231	40.540	63	17.31	136
15.5	52.836	0	50.47	247	33.450	17	21.10	202	49.201	45	52.08	218	40.603	32	18.67	143
25.4	52.836	38	52.94	239	33.467	17	23.12	198	49.246	10	54.26	199	40.635	1	20.10	145
Dez. 5.4	52.798	74	55.33	220	33.450	50	25.10	186	49.236	64	56.25	175	40.636	30	21.55	141
15.4	52.724	107	57.53	194	33.400	81	26.96	168	49.172	119	58.00	145	40.606	60	22.96	132
25.4	52.617	138	59.47	162	33.319	109	28.64	145	49.053	169	59.45	110	40.546	89	24.28	118
35.3	52.479		61.09		33.210		30.09		48.884		60.55		40.457		25.46	
Mittl. Ort	49.534		58.37		30.000		30.04		42.972		39.60		36.943		28.31	
sec δ, tg δ	1.189		−0.643		1.073		−0.391		1.641		+1.301		1.013		−0.162	

Mittlere Zeit Greenw.	106) ϑ Eridani AR.		106) ϑ Eridani Dekl.		105) 47 H. Cephei AR.		105) 47 H. Cephei Dekl.	
1922	$2^h 55^m$		$-40° 36'$		$2^h 55^m$		$+79° 6'$	
Jan. 0.3	18.954	183	76.87	156	46.11	80	56.21	180
10.3	18.771	210	78.43	110	45.31	94	58.01	126
20.3	18.561	229	79.53	63	44.37	102	59.27	67
30.3	18.332	240	80.16	14	43.35	107	59.94	7
Feb. 9.2	18.092	243	80.30	$\overline{34}$	42.28	107	60.01	$\overline{54}$
19.2	17.849	237	79.96	82	41.21	104	59.47	112
März 1.2	17.612	222	79.14	127	40.17	94	58.35	164
11.2	17.390	195	77.87	168	39.23	81	56.71	210
21.1	17.195	162	76.19	207	38.42	65	54.61	247
31.1	17.033	119	74.12	241	37.77	46	52.14	272
Apr. 10.1	16.914	72	71.71	269	37.31	25	49.42	288
20.0	16.842	20	69.02	292	37.06	3	46.54	293
30.0	16.822	$\overline{35}$	66.10	309	37.03	$\overline{19}$	43.61	286
Mai 10.0	16.857	91	63.01	319	37.22	40	40.75	270
20.0	16.948	143	59.82	321	37.62	61	38.05	245
29.9	17.091	194	56.61	317	38.23	78	35.60	213
Juni 8.9	17.285	239	53.44	304	39.01	94	33.47	174
18.9	17.524	277	50.40	283	39.95	107	31.73	132
28.9	17.801	308	47.57	256	41.02	117	30.41	85
Juli 8.8	18.109	331	45.01	220	42.19	125	29.56	36
18.8	18.440	344	42.81	179	43.44	129	29.20	$\overline{12}$
28.8	18.784	349	41.02	132	44.73	129	29.32	60
Aug. 7.7	19.133	345	39.70	80	46.02	129	29.92	108
17.7	19.478	333	38.90	27	47.31	125	31.00	152
27.7	19.811	313	38.63	$\overline{28}$	48.56	118	32.52	193
Sept. 6.7	20.124	285	38.91	83	49.74	110	34.45	231
16.6	20.409	253	39.74	132	50.84	100	36.76	264
26.6	20.662	216	41.06	179	51.84	87	39.40	291
Okt. 6.6	20.878	175	42.85	218	52.71	73	42.31	314
16.6	21.053	132	45.03	249	53.44	57	45.45	330
26.5	21.185	86	47.52	268	54.01	40	48.75	338
Nov. 5.5	21.271	42	50.20	279	54.41	21	52.13	339
15.5	21.313	$\overline{4}$	52.99	279	54.62	2	55.52	332
25.4	21.309	47	55.78	267	54.64	$\overline{17}$	58.84	315
Dez. 5.4	21.262	88	58.45	246	54.47	36	61.99	290
15.4	21.174	128	60.91	216	54.11	55	64.89	255
25.4	21.046	163	63.07	179	53.56	73	67.44	213
35.3	20.883		64.86		52.83		69.57	
Mittl. Ort	18.113		59.63		38.87		45.37	
sec δ, tg δ	1.317		−0.858		5.294		+5.199	

Mittlere Zeit Greenw.	107) α Ceti AR.		107) α Ceti Dekl.		108) γ Persei AR.		108) γ Persei Dekl.	
1922	$2^h 58^m$		$+3° 46'$		$2^h 59^m$		$+53° 11'$	
Jan. 0.3	13.090	95	58.64	77	10.471	190	74.55	97
10.3	12.995	120	57.87	71	10.281	235	75.52	58
20.3	12.875	141	57.16	64	10.046	268	76.10	15
30.3	12.734	154	56.52	55	9.778	290	76.25	$\overline{27}$
Feb. 9.2	12.580	162	55.97	45	9.488	298	75.98	68
19.2	12.418	160	55.52	33	9.190	291	75.30	108
März 1.2	12.258	149	55.19	19	8.899	268	74.22	141
11.2	12.109	130	55.00	3	8.631	232	72.81	169
21.1	11.979	101	54.97	$\overline{13}$	8.399	181	71.12	189
31.1	11.878	67	55.10	32	8.218	121	69.23	202
Apr. 10.1	11.811	26	55.42	53	8.097	52	67.21	205
20.0	11.785	$\overline{19}$	55.95	72	8.045	$\overline{21}$	65.16	200
30.0	11.804	64	56.67	94	8.066	95	63.16	188
Mai 10.0	11.868	109	57.61	113	8.161	168	61.28	167
20.0	11.977	152	58.74	132	8.329	236	59.61	143
29.9	12.129	192	60.06	146	8.565	297	58.18	111
Juni 8.9	12.321	226	61.52	159	8.862	350	57.07	78
18.9	12.547	253	63.11	167	9.212	393	56.29	42
28.9	12.800	275	64.78	169	9.605	425	55.87	6
Juli 8.8	13.075	289	66.47	169	10.030	447	55.81	$\overline{32}$
18.8	13.364	294	68.16	162	10.477	458	56.13	67
28.8	13.658	295	69.78	150	10.935	458	56.80	99
Aug. 7.7	13.953	289	71.28	135	11.393	451	57.79	131
17.7	14.242	276	72.63	115	11.844	434	59.10	158
27.7	14.518	260	73.78	92	12.278	410	60.68	182
Sept. 6.7	14.778	239	74.70	69	12.688	381	62.50	202
16.6	15.017	216	75.39	42	13.069	347	64.52	218
26.6	15.233	190	75.81	18	13.416	307	66.70	229
Okt. 6.6	15.423	164	75.99	$\overline{6}$	13.723	265	68.99	238
16.6	15.587	135	75.93	28	13.988	219	71.37	240
26.5	15.722	106	75.65	45	14.207	169	73.77	240
Nov. 5.5	15.828	77	75.20	61	14.376	118	76.17	233
15.5	15.905	46	74.59	70	14.494	62	78.50	222
25.4	15.951	14	73.89	78	14.556	6	80.72	205
Dez. 5.4	15.965	$\overline{16}$	73.11	80	14.562	$\overline{51}$	82.77	183
15.4	15.949	48	72.31	80	14.511	108	84.60	154
25.4	15.901	78	71.51	78	14.403	162	86.14	122
35.3	15.823		70.73		14.241		87.36	
Mittl. Ort	11.980		64.32		8.141		67.57	
sec δ, tg δ	1.002		+0.066		1.669		+1.337	

Mittlere Zeit Greenw.	109) ρ Persei				110) μ Horologii				111) β Persei				114) δ Arietis			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1922	$3^h\ 0^m$		+38° 32′		$3^h\ 1^m$		−60° 2′		$3^h\ 3^m$		+40° 39′		$3^h\ 7^m$		+19° 25′	
	s		″		s		″		s		″		s		″	
Jan. 0.4	12.018	128	24.38	43	47.28	33	44.32	162	7.011	132	26.35	53	11.250	94	55.96	25
10.3	11.890	161	24.81	16	46.95	38	45.94	106	6.879	168	26.88	24	11.156	122	55.71	33
20.3	11.729	189	24.97	13	46.57	40	47.00	50	6.711	196	27.12	6	11.034	146	55.38	43
30.3	11.540	208	24.84	42	46.17	41	47.50	8	6.515	216	27.06	37	10.888	164	54.95	50
Feb. 9.2	11.332	215	24.42	69	45.76	42	47.42	64	6.299	224	26.69	67	10.724	173	54.45	58
19.2	11.117	212	23.73	94	45.34	40	46.78	119	6.075	222	26.02	93	10.551	172	53.87	62
März 1.2	10.905	197	22.79	114	44.94	37	45.59	169	5.853	206	25.09	116	10.379	162	53.25	63
11.2	10.708	170	21.65	130	44.57	34	43.90	215	5.647	179	23.93	134	10.217	142	52.62	62
21.1	10.538	132	20.35	139	44.23	29	41.75	256	5.468	140	22.59	145	10.075	112	52.00	58
31.1	10.406	86	18.96	142	43.94	23	39.19	291	5.328	93	21.14	150	9.963	75	51.42	48
Apr. 10.1	10.320	33	17.54	138	43.71	16	36.28	318	5.235	39	19.64	147	9.888	32	50.94	36
20.1	10.287	24	16.16	127	43.55	9	33.10	340	5.196	20	18.17	139	9.856	15	50.58	20
30.0	10.311	81	14.89	112	43.46	1	29.70	353	5.216	80	16.78	123	9.871	64	50.38	1
Mai 10.0	10.392	140	13.77	91	43.45	7	26.17	359	5.296	138	15.55	104	9.935	112	50.37	19
20.0	10.532	192	12.86	66	43.52	14	22.58	356	5.434	194	14.51	78	10.047	158	50.56	40
29.9	10.724	241	12.20	39	43.66	22	19.02	345	5.628	244	13.73	52	10.205	199	50.96	62
Juni 8.9	10.965	283	11.81	10	43.88	29	15.57	325	5.872	287	13.21	22	10.404	237	51.58	80
18.9	11.248	317	11.71	19	44.17	35	12.32	297	6.159	322	12.99	7	10.641	266	52.38	99
28.9	11.565	342	11.90	47	44.52	40	9.35	261	6.481	349	13.06	38	10.907	288	53.37	114
Juli 8.8	11.907	358	12.37	75	44.92	44	6.74	218	6.830	366	13.44	65	11.195	303	54.51	125
18.8	12.265	366	13.12	98	45.36	47	4.56	169	7.196	375	14.09	91	11.498	311	55.76	134
28.8	12.631	367	14.10	120	45.83	48	2.87	113	7.571	375	15.00	114	11.809	313	57.10	137
Aug. 7.8	12.998	359	15.30	138	46.31	48	1.74	54	7.946	369	16.14	135	12.122	306	58.47	136
17.7	13.357	345	16.68	152	46.79	48	1.20	6	8.315	355	17.49	151	12.428	295	59.83	133
27.7	13.702	325	18.20	164	47.27	44	1.26	67	8.670	336	19.00	164	12.723	280	61.16	125
Sept. 6.7	14.027	302	19.84	171	47.71	41	1.93	127	9.006	312	20.64	173	13.003	259	62.41	115
16.6	14.329	274	21.55	174	48.12	36	3.20	181	9.318	285	22.37	179	13.262	237	63.56	103
26.6	14.603	244	23.29	176	48.48	31	5.01	230	9.603	254	24.16	182	13.499	211	64.59	89
Okt. 6.6	14.847	212	25.05	174	48.79	24	7.31	271	9.857	221	25.98	182	13.710	185	65.48	76
16.6	15.059	178	26.79	169	49.03	17	10.02	301	10.078	185	27.80	179	13.895	157	66.24	61
26.5	15.237	140	28.48	162	49.20	10	13.03	320	10.263	148	29.59	174	14.052	126	66.85	48
Nov. 5.5	15.377	103	30.10	153	49.30	2	16.23	327	10.411	108	31.33	164	14.178	96	66.33	35
15.5	15.480	62	31.63	140	49.32	6	19.50	322	10.519	66	32.97	153	14.274	63	67.68	23
25.5	15.542	21	33.03	125	49.26	12	22.72	304	10.585	23	34.50	138	14.337	29	67.91	13
Dez. 5.4	15.563	23	34.28	107	49.14	19	25.76	275	10.608	22	35.88	119	14.366	5	68.04	2
15.4	15.540	65	35.35	86	48.95	26	28.51	237	10.586	66	37.07	97	14.361	40	68.06	7
25.4	15.475	105	36.21	61	48.69	30	30.88	191	10.520	108	38.04	73	14.321	75	67.99	16
35.3	15.370		36.82		48.39		32.79		10.412		38.77		14.246		67.83	
Mittl. Ort	10.285		20.66		46.31		23.89		5.198		22.33		9.898		57.61	
sec δ, tg δ	1.278		+0.797		2.002		−1.735		1.318		+0.859		1.060		+0.353	

Mittlere Zeit Greenw.	117) 12 Eridani AR.		117) 12 Eridani Dekl.		115) 48 H. Cephei AR.		115) 48 H. Cephei Dekl.		120) α Persei AR.		120) α Persei Dekl.		121) o Tauri AR.		121) o Tauri Dekl.	
1922	$3^h 8^m$		−29° 17′		$3^h 10^m$		+77° 26′		$3^h 18^m$		+49° 34′		$3^h 20^m$		+8° 45′	
Jan. 0.4	46.335		52.81		28.31		70.79		46.924		69.90		38.059		13.77	
10.3	46.201	134	54.36	155	27.66	65	72.69	190	46.773	151	70.89	99	37.977	82	13.15	62
20.3	46.039	162	55.55	119	26.90	76	74.08	139	46.576	197	71.53	64	37.864	113	12.55	60
30.3	45.856	183	56.34	79	26.04	86	74.91	83	46.342	234	71.80	27	37.727	137	11.98	57
Feb. 9.2	45.658	198	56.73	39	25.13	91	75.15	24	46.082	260	71.69	11	37.572	155	11.45	53
19.2	45.454	204	56.70	3	24.20	93	74.79	36	45.808	274	71.20	49	37.405	167	10.98	47
März 1.2	45.251	203	56.27	43	23.29	91	73.86	93	45.535	273	70.35	85	37.237	168	10.57	41
11.2	45.060	191	55.43	84	22.45	84	72.39	147	45.276	259	69.18	117	37.076	161	10.25	32
21.1	44.888	172	54.21	122	21.71	74	70.45	194	45.048	228	67.73	145	36.931	145	10.03	22
31.1	44.745	143	52.63	158	21.10	61	68.13	232	44.861	187	66.09	164	36.813	118	9.94	9
Apr. 10.1	44.639	106	50.73	190	20.65	45	65.53	260	44.728	133	64.30	179	36.728	85	10.00	6
20.1	44.574	65	48.54	219	20.39	26	62.74	279	44.656	72	62.46	184	36.683	45	10.23	23
30.0	44.557	17	46.09	245	20.31	8	59.88	286	44.651	5	60.65	181	36.682	1	10.63	40
Mai 10.0	44.588	31	43.45	264	20.42	11	57.05	283	44.715	64	58.93	172	36.727	45	11.23	60
20.0	44.669	81	40.65	280	20.72	30	54.35	270	44.847	132	57.38	155	36.819	92	12.03	80
29.9	44.799	130	37.79	286	21.20	48	51.86	249	45.045	198	56.04	134	36.954	135	13.00	97
Juni 8.9	44.973	174	34.90	289	21.85	65	49.66	220	45.302	257	54.97	107	37.131	177	14.14	114
18.9	45.188	215	32.06	284	22.63	78	47.82	184	45.611	309	54.19	78	37.345	214	15.43	129
28.9	45.438	250	29.35	271	23.55	92	46.39	143	45.963	352	53.74	45	37.588	243	16.82	139
Juli 8.8	45.715	277	26.84	251	24.55	100	45.39	100	46.349	386	53.62	12	37.855	267	18.29	147
18.8	46.013	298	24.60	224	25.63	108	44.86	53	46.760	411	53.82	20	38.139	284	19.78	149
28.8	46.324	311	22.69	191	26.75	112	44.81	5	47.184	424	54.34	52	38.433	294	21.26	148
Aug. 7.8	46.640	316	21.17	152	27.90	115	45.22	41	47.614	430	55.17	83	38.730	297	22.67	141
17.7	46.953	313	20.09	108	29.04	114	46.10	88	48.040	426	56.27	110	39.023	293	23.97	130
27.7	47.256	303	19.48	61	30.16	112	47.42	132	48.455	415	57.62	135	39.308	285	25.14	117
Sept. 6.7	47.544	288	19.36	12	31.24	108	49.15	173	48.851	396	59.18	156	39.580	272	26.13	99
16.6	47.810	266	19.74	38	32.24	100	51.26	211	49.225	374	60.93	175	39.835	255	26.91	78
26.6	48.049	239	20.60	86	33.16	92	53.71	245	49.569	344	62.82	189	40.068	233	27.48	57
Okt. 6.6	48.259	210	21.89	129	33.98	82	56.45	274	49.880	311	64.83	201	40.279	211	27.84	36
16.6	48.436	177	23.56	167	34.69	71	59.43	298	50.155	275	66.92	209	40.466	187	27.99	15
26.5	48.579	143	25.56	200	35.26	57	62.59	316	50.390	235	69.05	213	40.625	159	27.95	4
Nov. 5.5	48.684	105	27.80	224	35.69	43	65.86	327	50.581	191	71.18	213	40.757	132	27.74	21
15.5	48.752	68	30.16	236	35.95	26	69.16	330	50.725	144	73.27	209	40.859	102	27.39	35
25.5	48.781	29	32.57	241	36.05	10	72.43	327	50.818	93	75.28	201	40.929	70	26.94	45
Dez. 5.4	48.773	8	34.94	237	35.99	6	75.56	313	50.859	41	77.17	189	40.967	38	26.41	53
15.4	48.728	45	37.17	223	35.75	24	78.47	291	50.845	14	78.88	171	40.972	5	25.83	58
25.4	48.647	81	39.19	202	35.33	42	81.08	261	50.776	69	80.36	148	40.942	30	25.23	60
35.3	48.532	115	40.92	173	34.77	56	83.29	221	50.654	122	81.56	120	40.879	63	24.63	60
Mittl. Ort	45.381		38.00		21.78		61.36		44.681		65.13		36.794		18.96	
sec δ, tg δ	1.147		−0.561		4.602		+4.492		1.543		+1.174		1.012		+0.154	

Mittlere Zeit Greenw.	122) 2 H. Camelop.				125) *f* Tauri				127) ε Eridani*)				131) δ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	3h 22m		+59° 39′		3h 26m		+12° 40′		3h 29m		−9° 43′		3h 37m		+47° 32′	
Jan. 0.4	47.230s	212	78.13″	141	35.161s	79	8.53″	47	16.412s	92	28.00″	124	24.032s	124	24.81″	103
10.3	47.018	270	79.54	100	35.082	110	8.06	49	16.320	121	29.24	104	23.908	172	25.84	72
20.3	46.748	318	80.54	57	34.972	137	7.57	49	16.199	146	30.28	82	23.736	213	26.56	40
30.3	46.430	351	81.11	9	34.835	157	7.08	49	16.053	164	31.10	58	23.523	243	26.96	5
Feb. 9.3	46.079	367	81.20	37	34.678	168	6.59	48	15.889	174	31.68	33	23.280	261	27.01	32
19.2	45.712	367	80.83	83	34.510	172	6.11	45	15.715	177	32.01	7	23.019	266	26.69	65
März 1.2	45.345	346	80.00	124	34.338	166	5.66	41	15.538	171	32.08	19	22.753	257	26.04	98
11.2	44.999	308	78.76	160	34.172	149	5.25	34	15.367	155	31.89	45	22.496	232	25.06	124
21.1	44.691	255	77.16	189	34.023	123	4.91	24	15.212	130	31.44	70	22.264	196	23.82	145
31.1	44.436	188	75.27	209	33.900	90	4.67	13	15.082	99	30.74	96	22.068	148	22.37	161
Apr. 10.1	44.248	110	73.18	221	33.810	50	4.54	1	14.983	60	29.78	121	21.920	91	20.76	168
20.1	44.138	26	70.97	225	33.760	5	4.55	18	14.923	17	28.57	144	21.829	28	19.08	168
30.0	44.112	61	68.72	219	33.755	41	4.73	36	14.906	28	27.13	164	21.801	38	17.40	162
Mai 10.0	44.173	147	66.53	205	33.796	88	5.09	55	14.934	73	25.49	183	21.839	104	15.78	149
20.0	44.320	229	64.48	185	33.884	134	5.64	73	15.007	118	23.66	197	21.943	168	14.29	131
30.0	44.549	304	62.63	158	34.018	176	6.37	91	15.125	160	21.69	207	22.111	227	12.98	107
Juni 8.9	44.853	370	61.05	127	34.194	213	7.28	107	15.285	196	19.62	213	22.338	280	11.91	82
18.9	45.223	427	59.78	92	34.407	243	8.35	120	15.481	229	17.49	212	22.618	325	11.09	52
28.9	45.650	471	58.86	55	34.650	269	9.55	130	15.710	254	15.37	206	22.943	360	10.57	23
Juli 8.8	46.121	503	58.31	17	34.919	286	10.85	135	15.964	272	13.31	195	23.303	387	10.34	8
18.8	46.624	524	58.14	21	35.205	296	12.20	138	16.236	284	11.36	177	23.690	405	10.42	36
28.8	47.148	533	58.35	59	35.501	301	13.58	134	16.520	289	9.59	153	24.095	413	10.78	65
Aug. 7.8	47.681	532	58.94	93	35.802	298	14.92	128	16.809	288	8.06	126	24.508	414	11.43	90
17.7	48.213	520	59.87	127	36.100	290	16.20	118	17.097	281	6.80	94	24.922	407	12.33	114
27.7	48.733	500	61.14	157	36.390	278	17.38	104	17.378	268	5.86	59	25.329	394	13.47	134
Sept. 6.7	49.233	472	62.71	183	36.668	261	18.42	87	17.646	251	5.27	22	25.723	374	14.81	151
16.7	49.705	437	64.54	207	36.929	241	19.29	70	17.897	231	5.05	13	26.097	349	16.32	166
26.6	50.142	396	66.61	226	37.170	219	19.99	52	18.128	208	5.18	49	26.446	322	17.98	177
Okt. 6.6	50.538	349	68.87	241	37.389	195	20.51	33	18.336	182	5.67	81	26.768	289	19.75	186
16.6	50.887	297	71.28	252	37.584	169	20.84	16	18.518	154	6.48	108	27.057	252	21.61	191
26.5	51.184	240	73.80	258	37.753	140	21.00	1	18.672	125	7.56	131	27.309	212	23.52	193
Nov. 5.5	51.424	178	76.38	258	37.893	111	21.01	12	18.797	95	8.87	147	27.521	169	25.45	192
15.5	51.602	110	78.96	252	38.004	79	20.89	22	18.892	62	10.34	156	27.690	120	27.37	187
25.5	51.712	41	81.48	241	38.083	46	20.67	31	18.954	28	11.90	159	27.810	69	29.24	177
Dez. 5.4	51.753	32	83.89	223	38.129	11	20.36	36	18.982	5	13.49	155	27.879	16	31.01	165
15.4	51.721	104	86.12	197	38.140	23	20.00	40	18.977	40	15.04	147	27.895	39	32.66	145
25.4	51.617	173	88.09	166	38.117	59	19.60	44	18.937	72	16.51	132	27.856	94	34.11	122
35.4	51.444		89.75		38.058		19.16		18.865		17.83		27.762		35.33	
Mittl. Ort	44.304		71.92		33.825		12.94		15.281		17.54		21.802		21.87	
sec δ, tg δ	1.980		+1.709		1.025		+0.225		1.015		−0.171		1.481		+1.093	

*) Die jährliche Parallaxe (0.32) ist bereits berücksichtigt

Mittlere Zeit Greenw.	134) ν Persei				138) 5 H. Camelop.				139) η Tauri				141) β Reticuli			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$3^h\ 39^m$		+42° 19′		$3^h\ 42^m$		+71° 5′		$3^h\ 42^m$		+23° 51′		$3^h\ 43^m$		−65° 2′	
	s		″		s		″		s		″		s		″	
Jan. 0.4	55.329	105	61.83	82	10.49	34	43.80	199	52.223	73	51.54	2	14.61	38	88.36	210
10.3	55.224	149	62.65	56	10.15	43	45.79	156	52.150	110	51.56	9	14.23	43	90.46	158
20.3	55.075	188	63.21	28	9.72	52	47.35	107	52.040	141	51.47	19	13.80	48	92.04	103
30.3	54.887	216	63.49	3	9.20	57	48.42	55	51.899	165	51.28	31	13.32	51	93.07	44
Feb. 9.3	54.671	235	63.46	32	8.63	60	48.97	1	51.734	182	50.97	42	12.81	53	93.51	13
19.2	54.436	239	63.14	62	8.03	61	48.96	55	51.552	188	50.55	50	12.28	52	93.38	70
März 1.2	54.197	233	62.52	89	7.42	58	48.41	106	51.364	184	50.05	59	11.76	50	92.68	124
11.2	53.964	212	61.63	111	6.84	54	47.35	153	51.180	168	49.46	63	11.26	48	91.44	174
21.1	53.752	178	60.52	128	6.30	45	45.82	193	51.012	143	48.83	65	10.78	42	89.70	220
31.1	53.574	135	59.24	139	5.85	36	43.89	224	50.869	108	48.18	62	10.36	36	87.50	260
Apr. 10.1	53.439	84	57.85	145	5.49	25	41.65	247	50.761	67	47.56	56	10.00	30	84.90	294
20.1	53.355	26	56.40	143	5.24	12	39.18	260	50.694	20	47.00	45	9.70	21	81.96	322
30.0	53.329	35	54.97	135	5.12	0	36.58	262	50.674	29	46.55	32	9.49	12	78.74	342
Mai 10.0	53.364	96	53.62	122	5.12	15	33.96	256	50.703	80	46.23	16	9.37	4	75.32	355
20.0	53.460	155	52.40	103	5.27	26	31.40	242	50.783	128	46.07	2	9.33	6	71.77	360
30.0	53.615	210	51.37	81	5.53	38	28.98	218	50.911	174	46.09	22	9.39	15	68.17	355
Juni 8.9	53.825	258	50.56	57	5.91	49	26.80	190	51.085	214	46.31	40	9.54	24	64.62	342
18.9	54.083	299	49.99	29	6.40	59	24.90	156	51.299	248	46.71	59	9.78	31	61.20	321
28.9	54.382	333	49.70	3	6.99	66	23.34	118	51.547	277	47.30	75	10.09	39	57.99	290
Juli 8.9	54.715	357	49.67	23	7.65	72	22.16	77	51.824	297	48.05	89	10.48	45	55.09	252
18.8	55.072	374	49.90	50	8.37	76	21.39	35	52.121	310	48.94	100	10.93	50	52.57	206
28.8	55.446	382	50.40	73	9.13	79	21.04	7	52.431	317	49.94	107	11.43	53	50.51	154
Aug. 7.8	55.828	383	51.13	94	9.92	80	21.11	50	52.748	317	51.01	112	11.96	55	48.97	96
17.7	56.211	376	52.07	112	10.72	79	21.61	91	53.065	312	52.13	113	12.51	56	48.01	35
27.7	56.587	364	53.19	129	11.51	78	22.52	130	53.377	301	53.26	110	13.07	55	47.66	28
Sept. 6.7	56.951	346	54.48	141	12.29	74	23.82	165	53.678	286	54.36	105	13.62	51	47.94	90
16.7	57.297	324	55.89	151	13.03	70	25.47	199	53.964	269	55.41	98	14.13	48	48.84	151
26.6	57.621	298	57.40	159	13.73	64	27.46	229	54.233	247	56.39	89	14.61	42	50.35	205
Okt. 6.6	57.919	269	58.99	163	14.37	57	29.75	253	54.480	223	57.28	81	15.03	35	52.40	253
16.6	58.188	237	60.62	165	14.94	49	32.28	274	54.703	197	58.09	71	15.38	28	54.93	293
26.6	58.425	200	62.27	166	15.43	41	35.02	289	54.900	169	58.80	61	15.66	19	57.86	320
Nov. 5.5	58.625	160	63.93	162	15.84	30	37.91	297	55.069	138	59.41	52	15.85	10	61.06	336
15.5	58.785	118	65.55	157	16.14	20	40.88	298	55.207	104	59.93	44	15.95	1	64.42	340
25.5	58.903	72	67.12	148	16.34	8	43.86	293	55.311	68	60.37	36	15.96	8	67.82	331
Dez. 5.4	58.975	22	68.60	136	16.42	4	46.79	279	55.379	29	60.73	28	15.88	18	71.13	310
15.4	58.997	27	69.96	119	16.38	16	49.58	256	55.408	10	61.01	19	15.70	25	74.23	278
25.4	58.970	77	71.15	99	16.22	27	52.14	225	55.398	50	61.20	10	15.45	33	77.01	237
35.4	58.893		72.14		15.95		54.39		55.348		61.30		15.12		79.38	
Mittl. Ort	53.300		60.08		5.81		37.82		50.656		54.01		12.95		68.24	
sec δ, tg δ	1.353		+0.911		3.086		+2.920		1.093		+0.442		2.371		−2.150	

Mittlere Zeit Greenw.	140) τ⁶ Eridani AR.		Dekl.		143) *g* Eridani AR.		Dekl.	
1922	3ʰ 43ᵐ		−23° 28′		3ʰ 46ᵐ		−36° 25′	
	ˢ		″		ˢ		″	
Jan. 0.4	30.627	102	59.05	172	33.294	135	85.12	200
10.3	30.525	134	60.77	141	33.159	172	87.12	160
20.3	30.391	162	62.18	108	32.987	201	88.72	117
30.3	30.229	183	63.26	72	32.786	223	89.89	72
Feb. 9.3	30.046	197	63.98	34	32.563	238	90.61	25
19.2	29.849	201	64.32	3	32.325	242	90.86	22
März 1.2	29.648	198	64.29	41	32.083	237	90.64	67
11.2	29.450	183	63.88	77	31.846	221	89.97	111
21.2	29.267	159	63.11	112	31.625	196	88.86	153
31.1	29.108	129	61.99	144	31.429	162	87.33	190
Apr. 10.1	28.979	90	60.55	175	31.267	120	85.43	223
20.1	28.889	48	58.80	202	31.147	73	83.20	254
30.0	28.841	0	56.78	225	31.074	23	80.66	276
Mai 10.0	28.841	47	54.53	243	31.051	30	77.90	295
20.0	28.888	94	52.10	257	31.081	83	74.95	306
30.0	28.982	139	49.53	263	31.164	133	71.89	309
Juni 8.9	29.121	181	46.90	265	31.297	180	68.80	306
18.9	29.302	216	44.25	259	31.477	222	65.74	295
28.9	29.518	247	41.66	245	31.699	258	62.79	275
Juli 8.9	29.765	271	39.21	226	31.957	287	60.04	247
18.8	30.036	287	36.95	199	32.244	308	57.57	214
28.8	30.323	297	34.96	165	32.552	322	55.43	172
Aug. 7.8	30.620	300	33.31	128	32.874	328	53.71	125
17.7	30.920	297	32.03	85	33.202	326	52.46	74
27.7	31.217	287	31.18	39	33.528	317	51.72	21
Sept. 6.7	31.504	272	30.79	8	33.845	302	51.51	35
16.7	31.776	253	30.87	54	34.147	280	51.86	88
26.6	32.029	230	31.41	99	34.427	253	52.74	139
Okt. 6.6	32.259	203	32.40	138	34.680	221	54.13	184
16.6	32.462	174	33.78	173	34.901	187	55.97	223
26.6	32.636	141	35.51	201	35.088	147	58.20	252
Nov. 5.5	32.777	107	37.52	219	35.235	107	60.72	272
15.5	32.884	72	39.71	230	35.342	64	63.44	282
25.5	32.956	34	42.01	231	35.406	20	66.26	280
Dez. 5.5	32.990	5	44.32	223	35.426	25	69.06	269
15.4	32.985	42	46.55	209	35.401	69	71.75	248
25.4	32.943	80	48.64	186	35.332	110	74.23	218
35.4	32.863		50.50		35.222		76.41	
Mittl. Ort	29.461		45.34		32.096		68.88	
sec δ, tg δ	1.090		−0.434		1.243		−0.738	

Mittlere Zeit Greenw.	146) γ Hydri AR.		Dekl.		144) ζ Persei AR.		Dekl.	
1922	3ʰ 48ᵐ		−74° 28′		3ʰ 49ᵐ		+31° 39′	
	ˢ		″		ˢ		″	
Jan. 0.4	28.27	66	62.93	208	15.227	77	10.25	38
10.3	27.61	73	65.01	154	15.150	116	10.63	23
20.3	26.88	81	66.55	98	15.034	152	10.86	5
30.3	26.07	85	67.53	40	14.882	179	10.91	15
Feb. 9.3	25.22	87	67.93	18	14.703	197	10.76	33
19.2	24.35	87	67.75	75	14.506	205	10.43	51
März 1.2	23.48	84	67.00	129	14.301	201	9.92	67
11.2	22.64	78	65.71	179	14.100	186	9.25	80
21.2	21.86	72	63.92	224	13.914	159	8.45	89
31.1	21.14	62	61.68	263	13.755	122	7.56	93
Apr. 10.1	20.52	52	59.05	297	13.633	79	6.63	92
20.1	20.00	40	56.08	324	13.554	29	5.71	87
30.0	19.60	26	52.84	343	13.525	24	4.84	77
Mai 10.0	19.34	13	49.41	354	13.549	78	4.07	62
20.0	19.21	1	45.87	359	13.627	130	3.45	46
30.0	19.22	15	42.28	353	13.757	178	2.99	25
Juni 8.9	19.37	29	38.75	339	13.935	222	2.74	5
18.9	19.66	42	35.36	317	14.157	260	2.69	15
28.9	20.08	53	32.19	286	14.417	290	2.84	37
Juli 8.9	20.61	64	29.33	247	14.707	313	3.21	55
18.8	21.25	72	26.86	201	15.020	328	3.76	73
28.8	21.97	78	24.85	148	15.348	337	4.49	87
Aug. 7.8	22.75	82	23.37	91	15.685	338	5.36	98
17.7	23.57	84	22.46	29	16.023	333	6.34	106
27.7	24.41	82	22.17	34	16.356	324	7.40	113
Sept. 6.7	25.23	80	22.51	95	16.680	309	8.53	115
16.7	26.03	72	23.46	156	16.989	291	9.68	116
26.6	26.75	64	25.02	211	17.280	270	10.84	114
Okt. 6.6	27.39	54	27.13	258	17.550	246	11.98	111
16.6	27.93	41	29.71	296	17.796	218	13.09	108
26.6	28.34	27	32.67	323	18.014	187	14.17	103
Nov. 5.5	28.61	12	35.90	339	18.201	155	15.20	97
15.5	28.73	3	39.29	342	18.356	118	16.17	90
25.5	28.70	17	42.71	331	18.474	79	17.07	83
Dez. 5.5	28.53	33	46.02	310	18.553	36	17.90	74
15.4	28.20	46	49.12	276	18.589	7	18.64	63
25.4	27.74	58	51.88	235	18.582	50	19.27	51
35.4	27.16		54.23		18.532		19.78	
Mittl. Ort	25.81		42.41		13.477		11.36	
sec δ, tg δ	3.737		−3.601		1.175		+0.617	

Mittlere Zeit Greenw.	145) 9 H. Camelop.				147) ε Persei				148) ξ Persei				149) γ Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	3h 50m		+60° 52′		3h 52m		+39° 46′		3h 53m		+35° 33′		3h 54m		−13° 43′	
	s		″		s		″		s		″		s		″	
Jan. 0.4	31.55	18	58.80	168	38.825	87	69.13	77	55.823	78	63.82	59	24.593	78	58.18	149
10.3	31.37	25	60.48	131	38.738	132	69.90	55	55.745	121	64.41	40	24.515	111	59.67	126
20.3	31.12	31	61.79	90	38.606	171	70.45	31	55.624	159	64.81	18	24.404	140	60.93	101
30.3	30.81	36	62.69	44	38.435	203	70.76	3	55.465	188	64.99	3	24.264	164	61.94	74
Feb. 9.3	30.45	38	63.13	3	38.232	223	70.79	23	55.277	208	64.96	27	24.100	179	62.68	44
19.2	30.07	39	63.10	49	38.009	231	70.56	51	55.069	217	64.69	49	23.921	186	63.12	15
März 1.2	29.68	38	62.61	93	37.778	227	70.05	75	54.852	213	64.20	68	23.735	184	63.27	15
11.2	29.30	35	61.68	133	37.551	210	69.30	95	54.639	198	63.52	86	23.551	173	63.12	44
21.2	28.95	30	60.35	167	37.341	181	68.35	113	54.441	170	62.66	99	23.378	151	62.68	73
31.1	28.65	24	58.68	193	37.160	141	67.22	123	54.271	133	61.67	106	23.227	123	61.95	102
Apr. 10.1	28.41	16	56.75	212	37.019	93	65.99	129	54.138	88	60.61	110	23.104	87	60.93	128
20.1	28.25	8	54.63	222	36.926	38	64.70	127	54.050	36	59.51	106	23.017	45	59.65	154
30.0	28.17	1	52.41	223	36.888	20	63.43	122	54.014	19	58.45	98	22.972	1	58.11	176
Mai 10.0	28.18	10	50.18	215	36.908	79	62.21	109	54.033	75	57.47	86	22.971	44	56.35	195
20.0	28.28	18	48.03	201	36.987	136	61.12	93	54.108	129	56.61	70	23.015	90	54.40	211
30.0	28.46	27	46.02	181	37.123	190	60.19	74	54.237	180	55.91	50	23.105	134	52.29	221
Juni 8.9	28.73	34	44.21	154	37.313	237	59.45	51	54.417	226	55.41	29	23.239	173	50.08	227
18.9	29.07	40	42.67	123	37.550	280	58.94	27	54.643	266	55.12	7	23.412	207	47.81	226
28.9	29.47	46	41.44	90	37.830	313	58.67	3	54.909	298	55.05	16	23.619	237	45.55	219
Juli 8.9	29.93	50	40.54	54	38.143	339	58.64	22	55.207	322	55.21	36	23.856	260	43.36	207
18.8	30.43	53	40.00	18	38.482	357	58.86	44	55.529	340	55.57	56	24.116	276	41.29	188
28.8	30.96	54	39.82	18	38.839	367	59.30	65	55.869	349	56.13	74	24.392	286	39.41	162
Aug. 7.8	31.50	56	40.00	55	39.206	370	59.95	84	56.218	352	56.87	89	24.678	289	37.79	133
17.8	32.06	55	40.55	88	39.576	366	60.79	100	56.570	348	57.76	101	24.967	287	36.46	97
27.7	32.61	54	41.43	120	39.942	356	61.79	114	56.918	339	58.77	110	25.254	279	35.49	60
Sept. 6.7	33.15	51	42.63	149	40.298	342	62.93	124	57.257	324	59.87	117	25.533	267	34.89	20
16.7	33.66	49	44.12	175	40.640	322	64.17	133	57.581	307	61.04	122	25.800	250	34.69	21
26.6	34.15	45	45.87	199	40.962	300	65.50	139	57.888	286	62.26	124	26.050	231	34.90	60
Okt. 6.6	34.60	41	47.86	218	41.262	273	66.89	143	58.174	260	63.50	125	26.281	208	35.50	95
16.6	35.01	36	50.04	235	41.535	243	68.32	145	58.434	232	64.75	124	26.489	181	36.45	127
26.6	35.37	30	52.39	245	41.778	210	69.77	144	58.666	201	65.99	122	26.670	154	37.72	153
Nov. 5.5	35.67	24	54.84	252	41.988	172	71.21	143	58.867	167	67.21	118	26.824	122	39.25	171
15.5	35.91	17	57.36	252	42.160	132	72.64	139	59.034	128	68.39	113	26.946	90	40.96	183
25.5	36.08	10	59.88	247	42.292	87	74.03	131	59.162	86	69.52	106	27.036	55	42.79	188
Dez. 5.5	36.18	2	62.35	235	42.379	40	75.34	122	59.248	42	70.58	97	27.091	18	44.67	184
15.4	36.20	6	64.70	216	42.419	9	76.56	109	59.290	4	71.55	86	27.109	18	46.51	174
25.4	36.14	14	66.86	189	42.410	58	77.65	92	59.286	51	72.41	71	27.091	56	48.25	159
35.4	36.00		68.75		42.352		78.57		59.235		73.12		27.035		49.84	
Mittl. Ort	28.37		54.80		36.838		68.82		53.957		64.43		23.351		46.50	
sec δ, tg δ	2.055		+1.795		1.301		+0.833		1.229		+0.715		1.029		−0.244	

Mittlere Zeit Greenw.	150) λ Tauri				151) ν Tauri				152) c Persei				154) o^1 Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$3^h\ 56^m$		+12° 16′		$3^h\ 59^m$		+5° 46′		$4^h\ 2^m$		+47° 30′		$4^h\ 8^m$		−7° 2′	
Jan. 0.4	22.814 s	59	9.66″	48	1.690 s	58	18.35″	76	61.857 s	97	21.11″	118	4.742 s	61	34.64″	131
10.4	22.755	95	9.18	47	1.632	94	17.59	70	61.760	149	22.29	92	4.681	96	35.95	113
20.3	22.660	127	8.71	45	1.538	124	16.89	62	61.611	196	23.21	61	4.585	127	37.08	93
30.3	22.533	151	8.26	44	1.414	150	16.27	53	61.415	233	23.82	29	4.458	154	38.01	72
Feb. 9.3	22.382	169	7.82	42	1.264	166	15.74	44	61.182	258	24.11	5	4.304	171	38.73	49
19.3	22.213	178	7.40	38	1.098	176	15.30	33	60.924	270	24.06	40	4.133	181	39.22	26
März 1.2	22.035	176	7.02	34	0.922	175	14.97	23	60.654	267	23.66	72	3.952	181	39.48	2
11.2	21.859	164	6.68	27	0.747	163	14.74	9	60.387	249	22.94	101	3.771	172	39.50	23
21.2	21.695	143	6.41	20	0.584	144	14.65	3	60.138	218	21.93	126	3.599	154	39.27	46
31.1	21.552	113	6.21	9	0.440	114	14.68	20	59.920	175	20.67	144	3.445	126	38.81	71
Apr. 10.1	21.439	75	6.12	4	0.326	78	14.88	35	59.745	121	19.23	157	3.319	92	38.10	94
20.1	21.364	33	6.16	18	0.248	37	15.23	53	59.624	62	17.66	161	3.227	51	37.16	118
30.1	21.331	13	6.34	34	0.211	8	15.76	70	59.562	4	16.05	160	3.176	8	35.98	138
Mai 10.0	21.344	60	6.68	51	0.219	53	16.46	89	59.566	70	14.45	152	3.168	36	34.60	157
20.0	21.404	105	7.19	67	0.272	99	17.35	104	59.636	134	12.93	139	3.204	82	33.03	174
30.0	21.509	149	7.86	84	0.371	141	18.39	120	59.770	196	11.54	120	3.286	124	31.29	186
Juni 9.0	21.658	188	8.70	98	0.512	181	19.59	131	59.966	251	10.34	98	3.410	164	29.43	195
18.9	21.846	222	9.68	109	0.693	213	20.90	141	60.217	299	9.36	73	3.574	199	27.48	197
28.9	22.068	250	10.77	119	0.906	242	22.31	146	60.516	339	8.63	46	3.773	228	25.51	196
Juli 8.9	22.318	271	11.96	124	1.148	263	23.77	146	60.855	370	8.17	19	4.001	251	23.55	188
18.8	22.589	286	13.20	125	1.411	279	25.23	142	61.225	393	7.98	9	4.252	269	21.67	174
28.8	22.875	295	14.45	123	1.690	287	26.65	134	61.618	408	8.07	35	4.521	280	19.93	155
Aug. 7.8	23.170	296	15.68	115	1.977	290	27.99	121	62.026	413	8.42	60	4.801	285	18.38	131
17.8	23.466	294	16.83	105	2.267	288	29.20	103	62.439	412	9.02	83	5.086	284	17.07	103
27.7	23.760	286	17.88	91	2.555	280	30.23	84	62.851	404	9.85	105	5.370	278	16.04	70
Sept. 6.7	24.046	273	18.79	75	2.835	269	31.07	62	63.255	390	10.90	122	5.648	269	15.34	36
16.7	24.319	258	19.54	57	3.104	253	31.69	37	63.645	371	12.12	138	5.917	255	14.98	0
26.7	24.577	240	20.11	39	3.357	236	32.06	13	64.016	347	13.50	152	6.172	237	14.98	34
Okt. 6.6	24.817	219	20.50	20	3.593	215	32.19	10	64.363	318	15.02	163	6.409	217	15.32	66
16.6	25.036	195	20.70	4	3.808	192	32.09	30	64.681	286	16.65	171	6.626	193	15.98	96
26.6	25.231	169	20.74	10	4.000	166	31.79	48	64.967	248	18.36	177	6.819	168	16.94	119
Nov. 5.5	25.400	140	20.64	23	4.166	138	31.31	63	65.215	206	20.13	180	6.987	139	18.13	138
15.5	25.540	110	20.41	32	4.304	107	30.68	73	65.421	159	21.93	179	7.126	107	19.51	149
25.5	25.650	75	20.09	39	4.411	74	29.95	79	65.580	107	23.72	175	7.233	73	21.00	155
Dez. 5.5	25.725	39	19.70	43	4.485	38	29.16	81	65.687	53	25.47	167	7.306	38	22.55	155
15.4	25.764	1	19.27	45	4.523	1	28.35	80	65.740	5	27.14	152	7.344	0	24.10	148
25.4	25.765	37	18.82	45	4.524	36	27.55	77	65.735	63	28.66	134	7.344	38	25.58	137
35.4	25.728		18.37		4.488		26.78		65.672		30.00		7.306		26.95	
Mittl. Ort	21.371		15.49		0.307		25.76		59.537		20.19		3.416		24.18	
sec δ, tg δ	1.023		+0.217		1.005		+0.101		1.480		+1.091		1.008		−0.124	

Mittlere Zeit Greenw.	155) α Horologii AR.		155) α Horologii Dekl.		156) α Reticuli AR.		156) α Reticuli Dekl.		160) υ⁴ Eridani AR.		160) υ⁴ Eridani Dekl.		162) δ Tauri AR.		162) δ Tauri Dekl.	
1922	4h 11m		−42° 28′		4h 13m		−62° 39′		4h 14m		−33° 59′		4h 18m		+17° 21′	
Jan. 0.4	26.299	140	86.97	232	26.86	30	86.54	246	57.816	107	32.66	217	27.621	43	32.73	24
10.4	26.159	184	89.29	191	26.56	37	89.00	199	57.709	146	34.83	184	27.578	83	32.49	25
20.4	25.975	220	91.20	147	26.19	41	90.99	147	57.563	180	36.67	143	27.495	119	32.24	27
30.3	25.755	248	92.67	98	25.78	46	92.46	92	57.383	209	38.10	100	27.376	148	31.97	29
Feb. 9.3	25.507	268	93.65	48	25.32	48	93.38	34	57.174	228	39.10	54	27.228	171	31.68	32
19.3	25.239	278	94.13	2	24.84	49	93.72	22	56.946	238	39.64	9	27.057	183	31.36	34
März 1.2	24.961	276	94.11	52	24.35	48	93.50	78	56.708	239	39.73	36	26.874	185	31.02	34
11.2	24.685	264	93.59	100	23.87	46	92.72	129	56.469	228	39.37	79	26.689	177	30.68	34
21.2	24.421	240	92.59	144	23.41	43	91.43	179	56.241	208	38.58	122	26.512	158	30.34	32
31.1	24.181	207	91.15	186	22.98	38	89.64	223	56.033	178	37.36	161	26.354	130	30.02	27
Apr. 10.1	23.974	167	89.29	224	22.60	32	87.41	262	55.855	142	35.75	196	26.224	94	29.75	19
20.1	23.807	119	87.05	256	22.28	24	84.79	296	55.713	97	33.79	228	26.130	51	29.56	9
30.1	23.688	66	84.49	283	22.04	17	81.83	321	55.616	50	31.51	254	26.079	6	29.47	3
Mai 10.0	23.622	10	81.66	303	21.87	9	78.62	341	55.566	1	28.97	276	26.073	41	29.50	17
20.0	23.612	46	78.63	318	21.78	0	75.21	351	55.567	52	26.21	291	26.114	88	29.67	31
30.0	23.658	101	75.45	323	21.78	8	71.70	355	55.619	102	23.30	299	26.202	134	29.98	47
Juni 9.0	23.759	153	72.22	322	21.86	17	68.15	348	55.721	149	20.31	301	26.336	175	30.45	62
18.9	23.912	202	69.00	312	22.03	24	64.67	334	55.870	192	17.30	293	26.511	211	31.07	74
28.9	24.114	245	65.88	293	22.27	32	61.33	309	56.062	230	14.37	279	26.722	242	31.81	85
Juli 8.9	24.359	280	62.95	267	22.59	37	58.24	277	56.292	261	11.58	257	26.964	266	32.66	94
18.9	24.639	309	60.28	232	22.96	43	55.47	236	56.553	286	9.01	226	27.230	284	33.60	98
28.8	24.948	330	57.96	190	23.39	47	53.11	188	56.839	304	6.75	189	27.514	295	34.58	100
Aug. 7.8	25.278	343	56.06	142	23.86	50	51.23	133	57.143	314	4.86	146	27.809	301	35.58	98
17.8	25.621	347	54.64	89	24.36	51	49.90	74	57.457	318	3.40	97	28.110	302	36.56	92
27.7	25.968	344	53.75	31	24.87	51	49.16	11	57.775	315	2.43	44	28.412	296	37.48	84
Sept. 6.7	26.312	333	53.44	27	25.38	50	49.05	52	58.090	305	1.99	9	28.708	289	38.32	72
16.7	26.645	315	53.71	84	25.88	47	49.57	115	58.395	290	2.08	64	28.997	275	39.04	60
26.7	26.960	290	54.55	139	26.35	43	50.72	173	58.685	268	2.72	116	29.272	260	39.64	47
Okt. 6.6	27.250	259	55.94	190	26.78	38	52.45	227	58.953	242	3.88	163	29.532	242	40.11	33
16.6	27.509	223	57.84	234	27.16	31	54.72	272	59.195	213	5.51	206	29.774	220	40.44	21
26.6	27.732	182	60.18	268	27.47	24	57.44	308	59.408	178	7.57	239	29.994	195	40.65	9
Nov. 5.5	27.914	138	62.86	292	27.71	16	60.52	332	59.586	140	9.96	263	30.189	168	40.74	0
15.5	28.052	89	65.78	306	27.87	8	63.84	343	59.726	99	12.59	278	30.357	136	40.74	7
25.5	28.141	40	68.84	308	27.95	1	67.27	342	59.825	56	15.37	282	30.493	102	40.67	12
Dez. 5.5	28.181	11	71.92	299	27.94	9	70.69	329	59.881	11	18.19	275	30.595	63	40.55	16
15.4	28.170	62	74.91	280	27.85	18	73.98	304	59.892	35	20.94	260	30.658	23	40.39	19
25.4	28.108	111	77.71	251	27.67	26	77.02	270	59.857	79	23.54	234	30.681	18	40.20	19
35.4	27.997		80.22		27.41		79.72		59.778		25.88		30.663		40.01	
Mittl. Ort	24.892		70.16		24.93		67.62		56.458		17.17		26.044		38.46	
sec δ, tg δ	1.356		—0.916		2.178		—1.935		1.206		—0.674		1.048		+0.313	

Mittlere Zeit Greenw.	164) ε Tauri				168) α Tauri				171) α Doradus				169) ν Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$4^h 24^m$		+19° 0′		$4^h 31^m$		+16° 21′		$4^h 32^m$		−55° 12′		$4^h 32^m$		−3° 30′	
Jan. 0.4	5.198	39	25.31	15	28.162	33	6.55	28	20.471	196	37.79	265	26.659	40	49.64	124
10.4	5.159	80	25.16	17	28.129	73	6.27	29	20.275	253	40.44	223	26.619	79	50.88	109
20.4	5.079	116	24.99	21	28.056	112	5.98	28	20.022	302	42.67	174	26.540	113	51.97	92
30.3	4.963	148	24.78	24	27.944	143	5.70	29	19.720	341	44.41	122	26.427	143	52.89	74
Feb. 9.3	4.815	171	24.54	28	27.801	167	5.41	30	19.379	369	45.63	67	26.284	166	53.63	54
19.3	4.644	185	24.26	31	27.634	182	5.11	30	19.010	383	46.30	12	26.118	180	54.17	33
März 1.2	4.459	188	23.95	34	27.452	187	4.81	30	18.627	385	46.42	42	25.938	184	54.50	13
11.2	4.271	181	23.61	36	27.265	180	4.51	29	18.242	374	46.00	95	25.754	179	54.63	8
21.2	4.090	162	23.25	34	27.085	164	4.22	26	17.868	348	45.05	144	25.575	163	54.55	30
31.2	3.928	135	22.91	33	26.921	138	3.96	20	17.520	313	43.61	190	25.412	139	54.25	51
Apr. 10.1	3.793	98	22.58	26	26.783	103	3.76	14	17.207	265	41.71	232	25.273	108	53.74	72
20.1	3.695	57	22.32	17	26.680	63	3.62	4	16.942	210	39.39	268	25.165	69	53.02	94
30.1	3.638	11	22.15	6	26.617	18	3.58	7	16.732	147	36.71	299	25.096	27	52.08	113
Mai 10.1	3.627	37	22.09	6	26.599	29	3.65	21	16.585	81	33.72	321	25.069	17	50.95	132
20.0	3.664	84	22.15	21	26.628	75	3.86	34	16.504	11	30.51	337	25.086	61	49.63	148
30.0	3.748	130	22.36	35	26.703	120	4.20	49	16.493	58	27.14	345	25.147	104	48.15	162
Juni 9.0	3.878	171	22.71	50	26.823	162	4.69	62	16.551	127	23.69	345	25.251	145	46.53	171
18.9	4.049	209	23.21	63	26.985	199	5.31	73	16.678	191	20.24	334	25.396	181	44.82	176
28.9	4.258	240	23.84	75	27.184	231	6.04	84	16.869	250	16.90	316	25.577	212	43.06	177
Juli 8.9	4.498	265	24.59	83	27.415	256	6.88	91	17.119	302	13.74	289	25.789	237	41.29	173
18.9	4.763	283	25.42	90	27.671	276	7.79	94	17.421	346	10.85	252	26.026	257	39.56	162
28.8	5.046	297	26.32	92	27.947	289	8.73	95	17.767	381	8.33	209	26.283	272	37.94	147
Aug. 7.8	5.343	303	27.24	91	28.236	296	9.68	92	18.148	406	6.24	157	26.555	279	36.47	126
17.8	5.646	304	28.15	88	28.532	299	10.60	85	18.554	421	4.67	101	26.834	283	35.21	101
27.8	5.950	300	29.03	81	28.831	297	11.45	76	18.975	426	3.66	41	27.117	280	34.20	73
Sept. 6.7	6.250	293	29.84	71	29.128	290	12.21	64	19.401	419	3.25	23	27.397	274	33.47	42
16.7	6.543	280	30.55	61	29.418	279	12.85	51	19.820	401	3.48	85	27.671	264	33.05	9
26.7	6.823	266	31.16	49	29.697	266	13.36	36	20.221	374	4.33	144	27.935	251	32.96	24
Okt. 6.7	7.089	248	31.65	36	29.963	249	13.72	23	20.595	338	5.77	202	28.186	234	33.20	54
16.6	7.337	228	32.01	26	30.212	229	13.95	9	20.933	292	7.79	250	28.420	213	33.74	81
26.6	7.565	202	32.27	16	30.441	206	14.04	3	21.225	240	10.29	289	28.633	191	34.55	106
Nov. 5.6	7.767	175	32.43	8	30.647	179	14.01	11	21.465	180	13.18	318	28.824	163	35.61	123
15.5	7.942	144	32.51	1	30.826	148	13.90	18	21.645	115	16.36	335	28.987	133	36.84	136
25.5	8.086	108	32.52	3	30.974	114	13.72	22	21.760	48	19.71	340	29.120	100	38.20	142
Dez. 5.5	8.194	71	32.49	7	31.088	76	13.50	25	21.808	21	23.11	333	29.220	63	39.62	143
15.5	8.265	29	32.42	9	31.164	35	13.25	26	21.787	90	26.44	314	29.283	25	41.05	139
25.4	8.294	13	32.33	11	31.199	7	12.99	27	21.697	156	29.58	284	29.308	16	42.44	128
35.4	8.281		32.22		31.192		12.72		21.541		32.42		29.292		43.72	
Mittl. Ort	3.582		30.99		26.564		13.07		18.647		20.22		25.229		39.43	
sec δ, tg δ	1.058		+0.345		1.042		+0.293		1.752		−1.439		1.002		−0.061	

Mittlere Zeit Greenw.	172) 53 Eridani				174) τ Tauri			
	AR.		Dekl.		AR.		Dekl.	
1922	$4^h\ 34^m$		−14° 27′		$4^h\ 37^m$		+22° 48′	
	s		″		s		″	
Jan. 0.4	37.827	50	32.50	171	35.384	28	24.88	6
10.4	37.777	89	34.21	149	35.356	72	24.94	1
20.4	37.688	125	35.70	123	35.284	113	24.95	3
30.3	37.563	154	36.93	95	35.171	146	24.92	10
Feb. 9.3	37.409	177	37.88	65	35.025	173	24.82	17
19.3	37.232	191	38.53	34	34.852	189	24.65	24
März 1.2	37.041	196	38.87	4	34.663	195	24.41	31
11.2	36.845	190	38.91	28	34.468	190	24.10	36
21.2	36.655	175	38.63	57	34.278	173	23.74	41
31.2	36.480	151	38.06	87	34.105	147	23.33	41
Apr. 10.1	36.329	119	37.19	115	33.958	112	22.92	40
20.1	36.210	82	36.04	141	33.846	69	22.52	35
30.1	36.128	39	34.63	166	33.777	24	22.17	27
Mai 10.1	36.089	6	32.97	186	33.753	25	21.90	16
20.0	36.095	50	31.11	203	33.778	73	21.74	5
30.0	36.145	95	29.08	216	33.851	120	21.69	9
Juni 9.0	36.240	136	26.92	223	33.971	163	21.78	23
18.9	36.376	173	24.69	226	34.134	203	22.01	36
28.9	36.549	207	22.43	221	34.337	235	22.37	48
Juli 8.9	36.756	233	20.22	210	34.572	263	22.85	60
18.9	36.989	256	18.12	193	34.835	283	23.45	67
28.8	37.245	270	16.19	170	35.118	298	24.12	73
Aug. 7.8	37.515	281	14.49	141	35.416	307	24.85	75
17.8	37.796	285	13.08	106	35.723	311	25.60	75
27.7	38.081	283	12.02	69	36.034	309	26.35	72
Sept. 6.7	38.364	278	11.33	27	36.343	302	27.07	66
16.7	38.642	268	11.06	14	36.645	294	27.73	60
26.7	38.910	254	11.20	54	36.939	280	28.33	52
Okt. 6.6	39.164	236	11.74	94	37.219	264	28.85	44
16.6	39.400	214	12.68	129	37.483	244	29.29	36
26.6	39.614	190	13.97	158	37.727	221	29.65	29
Nov. 5.6	39.804	161	15.55	180	37.948	193	29.94	24
15.5	39.965	129	17.35	195	38.141	161	30.18	20
25.5	40.094	94	19.30	203	38.302	126	30.38	16
Dez. 5.5	40.188	55	21.33	202	38.428	86	30.54	15
15.4	40.243	16	23.35	194	38.514	44	30.69	12
25.4	40.259	25	25.29	180	38.558	1	30.81	10
35.4	40.234		27.09		38.557		30.91	
Mittl. Ort	36.422		20.36		33.678		30.55	
sec δ, tg δ	1.033		−0.258		1.085		+0.420	

Mittlere Zeit Greenw.	173) Gr. 848				175) 4 Camelop.			
	AR.		Dekl.		AR.		Dekl.	
1922	$4^h\ 38^m$		+75° 47′		$4^h\ 41^m$		+56° 36′	
	s		″		s		″	
Jan. 0.4	24.95	29	68.03	256	32.862	77	72.21	178
10.4	24.66	44	70.59	223	32.785	150	73.99	155
20.4	24.22	59	72.82	182	32.635	216	75.54	124
30.3	23.63	69	74.64	134	32.419	271	76.78	89
Feb. 9.3	22.94	77	75.98	80	32.148	313	77.67	49
19.3	22.17	83	76.78	25	31.835	339	78.16	9
März 1.2	21.34	82	77.03	32	31.496	347	78.25	34
11.2	20.52	80	76.71	86	31.149	336	77.91	73
21.2	19.72	74	75.85	136	30.813	308	77.18	108
31.2	18.98	64	74.49	181	30.505	266	76.10	140
Apr. 10.1	18.34	51	72.68	216	30.239	208	74.70	165
20.1	17.83	37	70.52	244	30.031	141	73.05	183
30.1	17.46	21	68.08	263	29.890	67	71.22	193
Mai 10.1	17.25	5	65.45	271	29.823	11	69.29	196
20.0	17.20	12	62.74	272	29.834	89	67.33	192
30.0	17.32	29	60.02	262	29.923	164	65.41	181
Juni 9.0	17.61	44	57.40	246	30.087	236	63.60	166
18.9	18.05	58	54.94	223	30.323	299	61.94	145
28.9	18.63	71	52.71	194	30.622	356	60.49	122
Juli 8.9	19.34	82	50.77	160	30.978	402	59.27	94
18.9	20.16	90	49.17	124	31.380	440	58.33	66
28.8	21.06	97	47.93	83	31.820	467	57.67	36
Aug. 7.8	22.03	102	47.10	43	32.287	486	57.31	7
17.8	23.05	105	46.67	0	32.773	496	57.24	23
27.7	24.10	106	46.67	41	33.269	497	57.47	51
Sept. 6.7	25.16	105	47.08	82	33.766	490	57.98	78
16.7	26.21	102	47.90	122	34.256	478	58.76	104
26.7	27.23	96	49.12	160	34.734	457	59.80	128
Okt. 6.6	28.19	91	50.72	195	35.191	431	61.08	149
16.6	29.10	82	52.67	227	35.622	397	62.57	169
26.6	29.92	72	54.94	253	36.019	356	64.26	186
Nov. 5.6	30.64	60	57.47	277	36.375	307	66.12	200
15.5	31.24	47	60.24	292	36.682	251	68.12	209
25.5	31.71	31	63.16	301	36.933	188	70.21	214
Dez. 5.5	32.02	15	66.17	301	37.121	118	72.35	214
15.4	32.17	2	69.18	293	37.239	45	74.49	207
25.4	32.15	18	72.11	275	37.284	32	76.56	193
35.4	31.97		74.86		37.252		78.49	
Mittl. Ort	18.50		66.98		29.911		73.20	
sec δ, tg δ	4.077		+3.952		1.818		+1.518	

Mittlere Zeit Greenw.	178) 9 Camelop. AR.		178) Dekl.		180) π^5 Orionis AR.		180) Dekl.		181) ι Aurigae AR.		181) Dekl.		183) ε Aurigae AR.		183) Dekl.	
1922	$4^h 46^m$		+66° 12′		$4^h 50^m$		+2° 18′		$4^h 51^m$		+33° 2′		$4^h 56^m$		+43° 42′	
	s		″		s		″		s		″		s		″	
Jan. 0.4	21.02	12	43.74	224	12.733	23	40.70	101	56.624	19	33.28	62	24.355	26	29.73	120
10.4	20.90	22	45.98	196	12.710	62	39.69	90	56.605	70	33.90	53	24.329	84	30.93	106
20.4	20.68	31	47.94	161	12.648	101	38.79	77	56.535	116	34.43	42	24.245	137	31.99	87
30.3	20.37	39	49.55	120	12.547	133	38.02	63	56.419	155	34.85	27	24.108	184	32.86	64
Feb. 9.3	19.98	44	50.75	74	12.414	159	37.39	49	56.264	187	35.12	11	23.924	221	33.50	38
19.3	19.54	48	51.49	25	12.255	177	36.90	35	56.077	209	35.23	6	23.703	246	33.88	9
März 1.3	19.06	49	51.74	24	12.078	184	36.55	19	55.868	217	35.17	25	23.457	256	33.97	20
11.2	18.57	47	51.50	73	11.894	181	36.36	4	55.651	214	34.92	42	23.201	253	33.77	47
21.2	18.10	44	50.77	117	11.713	169	36.32	12	55.437	198	34.50	56	22.948	235	33.30	73
31.2	17.66	38	49.60	155	11.544	146	36.44	29	55.239	172	33.94	68	22.713	206	32.57	95
Apr. 10.1	17.28	31	48.05	187	11.398	117	36.73	45	55.067	134	33.26	76	22.507	164	31.62	112
20.1	16.97	22	46.18	212	11.281	79	37.18	63	54.933	91	32.50	79	22.343	114	30.50	123
30.1	16.75	12	44.06	228	11.202	39	37.81	80	54.842	41	31.71	79	22.229	57	29.27	130
Mai 10.1	16.63	2	41.78	235	11.163	5	38.61	96	54.801	11	30.92	74	22.172	1	27.97	131
20.0	16.61	8	39.43	235	11.168	49	39.57	112	54.812	63	30.18	67	22.173	63	26.66	126
30.0	16.69	19	37.08	227	11.217	93	40.69	125	54.875	115	29.51	56	22.236	121	25.40	118
Juni 9.0	16.88	28	34.81	212	11.310	132	41.94	135	54.990	163	28.95	42	22.357	176	24.22	104
19.0	17.16	38	32.69	191	11.442	170	43.29	143	55.153	206	28.53	27	22.533	227	23.18	89
28.9	17.54	44	30.78	166	11.612	202	44.72	146	55.359	244	28.26	13	22.760	270	22.29	71
Juli 8.9	17.98	52	29.12	136	11.814	229	46.18	145	55.603	276	28.13	2	23.030	308	21.58	51
18.9	18.50	57	27.76	104	12.043	250	47.63	140	55.879	300	28.15	16	23.338	338	21.07	32
28.8	19.07	61	26.72	69	12.293	266	49.03	128	56.179	319	28.31	29	23.676	361	20.75	11
Aug. 7.8	19.68	64	26.03	34	12.559	276	50.31	113	56.498	330	28.60	39	24.037	376	20.64	7
17.8	20.32	66	25.69	2	12.835	282	51.44	94	56.828	337	28.99	49	24.413	384	20.71	26
27.8	20.98	66	25.71	37	13.117	282	52.38	71	57.165	338	29.48	55	24.797	388	20.97	43
Sept. 6.7	21.64	66	26.08	72	13.399	279	53.09	45	57.503	335	30.03	61	25.185	385	21.40	58
16.7	22.30	64	26.80	105	13.678	272	53.54	18	57.838	327	30.64	64	25.570	377	21.98	72
26.7	22.94	61	27.85	138	13.950	260	53.72	9	58.165	315	31.28	67	25.947	365	22.70	85
Okt. 6.7	23.55	58	29.23	166	14.210	247	53.63	35	58.480	300	31.95	68	26.312	347	23.55	98
16.6	24.13	54	30.89	194	14.457	229	53.28	60	58.780	280	32.63	70	26.659	324	24.53	108
26.6	24.67	47	32.83	217	14.686	208	52.68	80	59.060	256	33.33	73	26.983	297	25.61	118
Nov. 5.6	25.14	41	35.00	236	14.894	183	51.88	96	59.316	227	34.06	73	27.280	264	26.79	127
15.5	25.55	33	37.36	251	15.077	154	50.92	107	59.543	192	34.79	75	27.544	223	28.06	133
25.5	25.88	24	39.87	259	15.231	121	49.85	114	59.735	154	35.54	76	27.767	177	29.39	138
Dez. 5.5	26.12	15	42.46	260	15.352	85	48.71	114	59.889	109	36.30	75	27.944	126	30.77	139
15.5	26.27	4	45.06	255	15.437	45	47.57	112	59.998	62	37.05	73	28.070	70	32.16	136
25.4	26.31	6	47.61	240	15.482	4	46.45	104	60.060	11	37.78	69	28.140	11	33.52	130
35.4	26.25		50.01		15.486		45.41		60.071		38.47		28.151		34.82	
Mittl. Ort	17.03		44.20		11.220		50.29		54.688		38.16		22.087		33.49	
sec δ, tg δ	2.479		+2.269		1.001		+0.040		1.193		+0.650		1.383		+0.956	

Mittlere Zeit Greenw.	182) 10 Camelop.				184) ι Tauri				185) η Aurigae				186) ε Leporis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$4^h\,56^m$		+60° 19′		$4^h\,58^m$		+21° 28′		$5^h\,1^m$		+41° 7′		$5^h\,2^m$		−22° 28′	
Jan. 0.4	31.63 s	7	46.46″	203	27.635 s	10	40.33″	1	4.694 s	17	45.09″	108	11.041 s	40	42.82″	215
10.4	31.56	15	48.49	180	27.625	54	40.32	1	4.677	73	46.17	96	11.001	83	44.97	190
20.4	31.41	23	50.29	150	27.571	98	40.31	3	4.604	125	47.13	79	10.918	123	46.87	160
30.3	31.18	29	51.79	114	27.473	135	40.28	7	4.479	172	47.92	58	10.795	158	48.47	126
Feb. 9.3	30.89	35	52.93	74	27.338	164	40.21	11	4.307	208	48.50	35	10.637	185	49.73	89
19.3	30.54	37	53.67	31	27.174	185	40.10	16	4.099	233	48.85	10	10.452	204	50.62	53
März 1.3	30.17	39	53.98	15	26.989	195	39.94	21	3.866	245	48.95	16	10.248	212	51.15	15
11.2	29.78	39	53.83	57	26.794	193	39.73	26	3.621	242	48.79	42	10.036	212	51.30	23
21.2	29.39	36	53.26	98	26.601	180	39.47	30	3.379	227	48.37	65	9.824	200	51.07	59
31.2	29.03	31	52.28	134	26.421	157	39.17	30	3.152	199	47.72	84	9.624	180	50.48	94
Apr. 10.2	28.72	26	50.94	163	26.264	126	38.87	29	2.953	160	46.88	100	9.444	151	49.54	128
20.1	28.46	18	49.31	186	26.138	86	38.58	25	2.793	113	45.88	111	9.293	115	48.26	159
30.1	28.28	11	47.45	202	26.052	42	38.33	19	2.680	59	44.77	117	9.178	73	46.67	186
Mai 10.1	28.17	2	45.43	209	26.010	5	38.14	11	2.621	2	43.60	117	9.105	30	44.81	211
20.1	28.15	6	43.34	209	26.015	52	38.03	0	2.619	56	42.43	112	9.075	16	42.70	230
30.0	28.21	15	41.25	203	26.067	99	38.03	11	2.675	113	41.31	105	9.091	62	40.40	245
Juni 9.0	28.36	23	39.22	191	26.166	142	38.14	23	2.788	166	40.26	92	9.153	105	37.95	253
19.0	28.59	30	37.31	172	26.308	182	38.37	35	2.954	214	39.34	77	9.258	146	35.42	255
28.9	28.89	37	35.59	149	26.490	217	38.72	44	3.168	257	38.57	61	9.404	182	32.87	250
Juli 8.9	29.26	42	34.10	124	26.707	245	39.16	54	3.425	294	37.96	43	9.586	214	30.37	239
18.9	29.68	46	32.86	96	26.952	269	39.70	60	3.719	323	37.53	25	9.800	241	27.98	218
28.9	30.14	50	31.90	65	27.221	286	40.30	63	4.042	345	37.28	8	10.041	261	25.80	192
Aug. 7.8	30.64	53	31.25	35	27.507	298	40.93	64	4.387	360	37.20	9	10.302	277	23.88	160
17.8	31.17	54	30.90	3	27.805	304	41.57	63	4.747	370	37.29	25	10.579	287	22.28	120
27.8	31.71	55	30.87	27	28.109	306	42.20	58	5.117	373	37.54	39	10.866	291	21.08	77
Sept. 6.7	32.26	55	31.14	58	28.415	304	42.78	52	5.490	371	37.93	53	11.157	289	20.31	31
16.7	32.81	53	31.72	87	28.719	297	43.30	43	5.861	365	38.46	64	11.446	284	20.00	18
26.7	33.34	52	32.59	114	29.016	288	43.73	35	6.226	354	39.10	75	11.730	274	20.18	66
Okt. 6.7	33.86	49	33.73	141	29.304	274	44.08	25	6.580	337	39.85	85	12.004	259	20.84	111
16.6	34.35	46	35.14	164	29.578	258	44.33	18	6.917	317	40.70	94	12.263	239	21.95	153
26.6	34.81	41	36.78	186	29.836	236	44.51	12	7.234	291	41.64	103	12.502	215	23.48	189
Nov. 5.6	35.22	36	38.64	204	30.072	212	44.63	6	7.525	260	42.67	110	12.717	186	25.37	216
15.6	35.58	30	40.68	218	30.284	181	44.69	3	7.785	222	43.77	116	12.903	154	27.53	236
25.5	35.88	23	42.86	227	30.465	147	44.72	1	8.007	178	44.93	120	13.057	116	29.89	247
Dez. 5.5	36.11	16	45.13	231	30.612	107	44.73	1	8.185	129	46.13	123	13.173	76	32.36	248
15.5	36.27	7	47.44	227	30.719	64	44.74	2	8.314	76	47.36	121	13.249	33	34.84	241
25.4	36.34	2	49.71	216	30.783	19	44.76	2	8.390	18	48.57	116	13.282	12	37.25	226
35.4	36.32		51.87		30.802		44.78		8.408		49.73		13.270		39.51	
Mittl. Ort	28.34		48.39		25.910		47.27		2.515		49.51		9.523		29.64	
sec δ, tg δ	2.020		+1.755		1.075		+0.393		1.328		+0.873		1.082		−0.414	

Mittlere Zeit Greenw.	188) β Eridani				192) μ Aurigae				191) 19 H. Camelop.				194) β Orionis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$5^h\ 4^m$		$-5°\ 11'$		$5^h\ 8^m$		$+38°\ 23'$		$5^h\ 9^m$		$+79°\ 8'$		$5^h\ 10^m$		$-8°\ 17'$	
1922	s		"		s		"		s		"		s		"	
Jan. 0.4	2.380	16	21.43	142	7.388	6	31.35	94	48.54	25	40.37	283	48.828	13	38.03	159
10.4	2.364	58	22.85	126	7.382	61	32.29	85	48.29	48	43.20	259	48.815	56	39.62	142
20.4	2.306	98	24.11	107	7.321	113	33.14	72	47.81	67	45.79	222	48.759	96	41.04	120
30.4	2.208	132	25.18	87	7.208	159	33.86	54	47.14	83	48.01	178	48.663	132	42.24	97
Feb. 9.3	2.076	159	26.05	64	7.049	196	34.40	34	46.31	97	49.79	127	48.531	160	43.21	72
19.3	1.917	178	26.69	43	6.853	221	34.74	12	45.34	106	51.06	72	48.371	179	43.93	48
März 1.3	1.739	188	27.12	20	6.632	234	34.86	12	44.28	110	51.78	13	48.192	191	44.41	21
11.2	1.551	188	27.32	3	6.398	234	34.74	33	43.18	109	51.91	43	48.001	191	44.62	4
21.2	1.363	177	27.29	26	6.164	220	34.41	55	42.09	103	51.48	99	47.810	182	44.58	29
31.2	1.186	158	27.03	48	5.944	195	33.86	73	41.06	93	50.49	149	47.628	163	44.29	55
Apr. 10.2	1.028	129	26.55	70	5.749	158	33.13	86	40.13	79	49.00	191	47.465	136	43.74	79
20.1	0.899	94	25.85	93	5.591	114	32.27	97	39.34	63	47.09	228	47.329	101	42.95	103
30.1	0.805	55	24.92	112	5.477	63	31.30	101	38.71	43	44.81	255	47.228	63	41.92	124
Mai 10.1	0.750	13	23.80	132	5.414	8	30.29	102	38.28	23	42.26	272	47.165	21	40.68	145
20.1	0.737	32	22.48	148	5.406	48	29.27	98	38.05	1	39.54	281	47.144	23	39.23	162
30.0	0.769	74	21.00	161	5.454	101	28.29	90	38.04	19	36.73	280	47.167	66	37.61	176
Juni 9.0	0.843	115	19.39	172	5.555	153	27.39	80	38.23	40	33.93	271	47.233	106	35.85	186
19.0	0.958	152	17.67	177	5.708	201	26.59	66	38.63	60	31.22	256	47.339	145	33.99	191
28.9	1.110	186	15.90	178	5.909	242	25.93	51	39.23	78	28.66	232	47.484	179	32.08	191
Juli 8.9	1.296	214	14.12	174	6.151	277	25.42	35	40.01	93	26.34	204	47.663	208	30.17	186
18.9	1.510	238	12.38	164	6.428	306	25.07	20	40.94	106	24.30	170	47.871	233	28.31	174
28.9	1.748	256	10.74	148	6.734	330	24.87	5	42.00	118	22.60	134	48.104	251	26.57	157
Aug. 7.8	2.004	268	9.26	127	7.064	345	24.82	10	43.18	127	21.26	94	48.355	266	25.00	135
17.8	2.272	277	7.99	101	7.409	354	24.92	23	44.45	132	20.32	53	48.621	275	23.65	106
27.8	2.549	279	6.98	73	7.763	359	25.15	34	45.77	136	19.79	10	48.896	279	22.59	74
Sept. 6.8	2.828	278	6.25	39	8.122	359	25.49	45	47.13	138	19.69	32	49.175	279	21.85	39
16.7	3.106	273	5.86	5	8.481	353	25.94	54	48.51	136	20.01	75	49.454	275	21.46	2
26.7	3.379	264	5.81	29	8.834	344	26.48	62	49.87	132	20.76	116	49.729	267	21.44	35
Okt. 6.7	3.643	252	6.10	62	9.178	330	27.10	70	51.19	126	21.92	157	49.996	255	21.79	71
16.6	3.895	235	6.72	92	9.508	311	27.80	78	52.45	116	23.49	194	50.251	239	22.50	103
26.6	4.130	215	7.64	117	9.819	288	28.58	84	53.61	105	25.43	229	50.490	220	23.53	132
Nov. 5.6	4.345	191	8.81	138	10.107	258	29.42	91	54.66	90	27.72	257	50.710	195	24.85	154
15.6	4.536	161	10.19	153	10.365	222	30.33	97	55.56	74	30.29	283	50.905	167	26.39	170
25.5	4.697	129	11.72	160	10.587	182	31.30	101	56.30	54	33.12	299	51.072	133	28.09	178
Dez. 5.5	4.826	92	13.32	162	10.769	135	32.31	104	56.84	33	36.11	308	51.205	97	29.87	181
15.5	4.918	52	14.94	157	10.904	83	33.35	104	57.17	12	39.19	309	51.302	56	31.68	175
25.5	4.970	10	16.51	148	10.987	28	34.39	101	57.29	12	42.28	298	51.358	13	33.43	166
35.4	4.980		17.99		11.015		35.40		57.17		45.26		51.371		35.09	
Mittl. Ort	0.867		10.50		5.290		36.60		40.19		42.19		47.303		26.65	
sec δ, tg δ	1.004		−0.091		1.276		+0.792		5.310		+5.215		1.011		−0.146	

Mittlere Zeit Greenw.	193) α Aurigae				196) ϑ Doradus				201) γ Orionis				202) β Tauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$5^h\ 10^m$		+45° 54′		$5^h\ 13^m$		−67° 16′		$5^h\ 20^m$		+6° 16′		$5^h\ 21^m$		+28° 32′	
Jan. 0.4	57.808	10	68.18	135	51.78	27	39.14	307	58.402	6	38.48	87	23.463	12	27.27	39
10.4	57.798	72	69.53	122	51.51	36	42.21	270	58.408	—37	37.61	77	23.475	—38	27.66	38
20.4	57.726	130	70.75	104	51.15	44	44.91	224	58.371	80	36.84	66	23.437	87	28.04	33
30.4	57.596	182	71.79	80	50.71	51	47.15	175	58.291	118	36.18	54	23.350	130	28.37	25
Feb. 9.3	57.414	223	72.59	55	50.20	56	48.90	122	58.173	148	35.64	43	23.220	165	28.62	17
19.3	57.191	252	73.14	24	49.64	59	50.12	66	58.025	171	35.21	31	23.055	191	28.79	5
März 1.3	56.939	267	73.38	—6	49.05	61	50.78	10	57.854	184	34.90	20	22.864	206	28.84	—8
11.3	56.672	267	73.32	36	48.44	61	50.88	—45	57.670	186	34.70	8	22.658	208	28.76	19
21.2	56.405	252	72.96	65	47.83	59	50.43	98	57.484	178	34.62	—4	22.450	199	28.57	31
31.2	56.153	225	72.31	90	47.24	54	49.45	148	57.306	160	34.66	16	22.251	179	28.26	40
Apr. 10.2	55.928	184	71.41	110	46.70	49	47.97	195	57.146	134	34.82	28	22.072	148	27.86	47
20.1	55.744	134	70.31	126	46.21	43	46.02	237	57.012	101	35.10	42	21.924	110	27.39	51
30.1	55.610	78	69.05	136	45.78	35	43.65	272	56.911	61	35.52	56	21.814	65	26.88	51
Mai 10.1	55.532	18	67.69	141	45.43	26	40.93	303	56.850	19	36.08	69	21.749	18	26.37	49
20.1	55.514	—44	66.28	139	45.17	17	37.90	325	56.831	—24	36.77	83	21.731	—32	25.88	43
30.0	55.558	105	64.89	134	45.00	7	34.65	341	56.855	67	37.60	94	21.763	81	25.45	36
Juni 9.0	55.663	163	63.55	123	44.93	—3	31.24	347	56.922	108	38.54	105	21.844	127	25.09	27
19.0	55.826	216	62.32	110	44.96	13	27.77	344	57.030	146	39.59	112	21.971	170	24.82	16
28.9	56.042	264	61.22	93	45.09	22	24.33	333	57.176	180	40.71	117	22.141	208	24.66	5
Juli 8.9	56.306	303	60.29	75	45.31	31	21.00	312	57.356	210	41.88	118	22.349	240	24.61	—4
18.9	56.609	337	59.54	55	45.62	39	17.88	281	57.566	234	43.06	114	22.589	268	24.65	14
28.9	56.946	364	58.99	35	46.01	46	15.07	242	57.800	253	44.20	107	22.857	289	24.79	21
Aug. 7.8	57.310	382	58.64	16	46.47	51	12.65	195	58.053	267	45.27	95	23.146	305	25.00	27
17.8	57.692	394	58.48	—3	46.98	56	10.70	141	58.320	277	46.22	80	23.451	315	25.27	31
27.8	58.086	401	58.51	22	47.54	59	9.29	81	58.597	282	47.02	60	23.766	322	25.58	33
Sept. 6.8	58.487	401	58.73	40	48.13	60	8.48	18	58.879	283	47.62	39	24.088	322	25.91	34
16.7	58.888	396	59.13	56	48.73	59	8.30	—48	59.162	280	48.01	15	24.410	320	26.25	33
26.7	59.284	386	59.69	72	49.32	57	8.78	111	59.442	275	48.16	—8	24.730	314	26.58	31
Okt. 6.7	59.670	371	60.41	86	49.89	52	9.89	173	59.717	265	48.08	31	25.044	303	26.89	31
16.7	60.041	350	61.27	101	50.41	47	11.62	229	59.982	252	47.77	52	25.347	289	27.20	29
26.6	60.391	323	62.28	114	50.88	40	13.91	276	60.234	235	47.25	71	25.636	269	27.49	30
Nov. 5.6	60.714	289	63.42	125	51.28	32	16.67	313	60.469	212	46.54	84	25.905	246	27.79	30
15.6	61.003	250	64.67	135	51.60	22	19.80	340	60.681	185	45.70	94	26.151	215	28.09	33
25.5	61.253	203	66.02	143	51.82	11	23.20	354	60.866	154	44.76	99	26.366	180	28.42	36
Dez. 5.5	61.456	149	67.45	147	51.93	1	26.74	355	61.020	118	43.77	100	26.546	139	28.78	38
15.5	61.605	91	68.92	147	51.94	—10	30.29	345	61.138	77	42.77	96	26.685	92	29.16	41
25.5	61.696	28	70.39	143	51.84	20	33.74	322	61.215	34	41.81	90	26.777	44	29.57	43
35.4	61.724		71.82		51.64		36.96		61.249		40.91		26.821		30.00	
Mittl. Ort	55.441		72.78		48.79		23.01		56.800		48.25		21.591		34.48	
sec δ, tg δ	1.437		+1.033		2.588		−2.387		1.006		+0.110		1.138		+0.544	

Mittlere Zeit Greenw.	203) 17 Camelop. AR.	Diff.	203) Dekl.	Diff.	206) δ Orionis AR.	Diff.	206) Dekl.	Diff.	205) Gr. 966 AR.	Diff.	205) Dekl.	Diff.	207) α Leporis AR.	Diff.	207) Dekl.	Diff.
1922	5h 22m		+62° 59′		5h 28m		−0° 21′		5h 29m		+74° 59′		5h 29m		−17° 52′	
Jan. 0.4	51.43 s	2	70.57″	224	2.827 s	8	31.52″	125	23.17 s	9	38.07″	276	18.949 s	9	50.29″	210
10.4	51.41	13	72.81	207	2.835	36	32.77	111	23.08	25	40.83	256	18.940	53	52.39	189
20.4	51.28	21	74.88	180	2.799	78	33.88	95	22.83	41	43.39	227	18.887	97	54.28	162
30.4	51.07	29	76.68	148	2.721	116	34.83	77	22.42	55	45.66	188	18.790	134	55.90	132
Feb. 9.3	50.78	36	78.16	108	2.605	147	35.60	60	21.87	65	47.54	142	18.656	166	57.22	100
19.3	50.42	40	79.24	66	2.458	171	36.20	42	21.22	74	48.96	91	18.490	189	58.22	67
März 1.3	50.02	43	79.90	19	2.287	184	36.62	24	20.48	77	49.87	38	18.301	203	58.89	33
11.3	49.59	43	80.09	26	2.103	188	36.86	5	19.71	79	50.25	18	18.098	206	59.22	2
21.2	49.16	41	79.83	70	1.915	181	36.91	13	18.92	75	50.07	71	17.892	200	59.20	35
31.2	48.75	37	79.13	111	1.734	164	36.78	31	18.17	70	49.36	121	17.692	183	58.85	68
Apr. 10.2	48.38	32	78.02	147	1.570	139	36.47	49	17.47	61	48.15	164	17.509	158	58.17	98
20.1	48.06	25	76.55	176	1.431	108	35.98	67	16.86	49	46.51	203	17.351	126	57.19	129
30.1	47.81	16	74.79	198	1.323	69	35.31	85	16.37	36	44.48	231	17.225	89	55.90	155
Mai 10.1	47.65	8	72.81	212	1.254	29	34.46	101	16.01	21	42.17	252	17.136	47	54.35	180
20.1	47.57	1	70.69	219	1.225	14	33.45	117	15.80	5	39.65	264	17.089	3	52.55	200
30.0	47.58	10	68.50	219	1.239	55	32.28	129	15.75	10	37.01	268	17.086	39	50.55	216
Juni 9.0	47.68	19	66.31	212	1.294	97	30.99	140	15.85	25	34.33	264	17.125	83	48.39	227
19.0	47.87	28	64.19	200	1.391	135	29.59	147	16.10	39	31.69	252	17.208	122	46.12	232
28.9	48.15	34	62.19	182	1.526	169	28.12	149	16.49	53	29.17	233	17.330	158	43.80	230
Juli 8.9	48.49	41	60.37	159	1.695	199	26.63	147	17.02	65	26.84	210	17.488	192	41.50	223
18.9	48.90	47	58.78	134	1.894	224	25.16	141	17.67	75	24.74	182	17.680	219	39.27	208
28.9	49.37	52	57.44	106	2.118	244	23.75	129	18.42	84	22.92	149	17.899	242	37.19	185
Aug. 7.8	49.89	54	56.38	76	2.362	260	22.46	112	19.26	91	21.43	115	18.141	259	35.34	158
17.8	50.43	58	55.62	45	2.622	270	21.34	92	20.17	96	20.28	76	18.400	273	33.76	124
27.8	51.01	59	55.17	13	2.892	277	20.42	66	21.13	100	19.52	37	18.673	281	32.52	85
Sept. 6.8	51.60	60	55.04	18	3.169	280	19.76	39	22.13	101	19.15	3	18.954	284	31.67	42
16.7	52.20	59	55.22	51	3.449	277	19.37	9	23.14	101	19.18	42	19.238	284	31.25	3
26.7	52.79	58	55.73	81	3.726	273	19.28	22	24.15	100	19.60	83	19.522	278	31.28	48
Okt. 6.7	53.37	56	56.54	111	3.999	265	19.50	50	25.15	96	20.43	122	19.800	268	31.76	92
16.7	53.93	53	57.65	140	4.264	251	20.00	78	26.11	91	21.65	159	20.068	253	32.68	132
26.6	54.46	49	59.05	167	4.515	235	20.78	100	27.02	83	23.24	193	20.321	235	34.00	168
Nov. 5.6	54.95	44	60.72	190	4.750	213	21.78	119	27.85	74	25.17	225	20.556	209	35.68	196
15.6	55.39	37	62.62	210	4.963	187	22.97	132	28.59	62	27.42	252	20.765	181	37.64	218
25.5	55.76	30	64.72	227	5.150	155	24.29	140	29.21	49	29.94	272	20.946	146	39.82	230
Dez. 5.5	56.06	22	66.99	236	5.305	119	25.69	141	29.70	34	32.66	286	21.092	108	42.12	234
15.5	56.28	13	69.35	238	5.424	79	27.10	137	30.04	18	35.52	291	21.200	65	44.46	230
25.5	56.41	3	71.73	235	5.503	36	28.47	129	30.22	2	38.43	287	21.265	20	46.76	219
35.4	56.44		74.08		5.539		29.76		30.24		41.30		21.285		48.95	
Mittl. Ort	47.87		74.63		1.246		20.89		17.09		42.01		17.365		37.95	
sec δ, tg δ	2.203		+1.963		1.000		−0.006		3.862		+3.731		1.051		−0.322	

Mittlere Zeit Greenw.	209) ι Orionis AR.		209) ι Orionis Dekl.		210) ε Orionis AR.		210) ε Orionis Dekl.		212) β Doradus AR.		212) β Doradus Dekl.		211) ζ Tauri AR.		211) ζ Tauri Dekl.	
1922	5ʰ 31ᵐ		−5° 57′		5ʰ 32ᵐ		−1° 15′		5ʰ 32ᵐ		−62° 32′		5ʰ 32ᵐ		+21° 5′	
	s		″		s		″		s		″		s		″	
Jan. 0.4	38.603	7	47.67	155	16.873	11	13.24	131	59.51	17	41.22	322	60.696	23	37.77	4
10.4	38.610	37	49.22	139	16.884	32	14.55	116	59.34	26	44.44	290	60.719	26	37.73	1
20.4	38.573	80	50.61	118	16.852	76	15.71	100	59.08	32	47.34	248	60.693	72	37.72	2
30.4	38.493	118	51.79	98	16.776	114	16.71	82	58.76	39	49.82	202	60.621	114	37.74	1
Feb. 9.3	38.375	149	52.77	75	16.662	146	17.53	63	58.37	45	51.84	150	60.507	150	37.75	0
19.3	38.226	173	53.52	51	16.516	170	18.16	44	57.92	48	53.34	96	60.357	176	37.75	3
März 1.3	38.053	188	54.03	28	16.346	184	18.60	25	57.44	50	54.30	42	60.181	192	37.72	7
11.3	37.865	191	54.31	4	16.162	188	18.85	6	56.94	50	54.72	14	59.989	197	37.65	11
21.2	37.674	185	54.35	20	15.974	183	18.91	14	56.44	49	54.58	68	59.792	190	37.54	14
31.2	37.489	169	54.15	42	15.791	166	18.77	32	55.95	47	53.90	119	59.602	173	37.40	17
Apr. 10.2	37.320	145	53.73	65	15.625	142	18.45	52	55.48	42	52.71	167	59.429	146	37.23	19
20.1	37.175	113	53.08	87	15.483	111	17.93	69	55.06	37	51.04	212	59.283	111	37.04	17
30.1	37.062	77	52.21	108	15.372	73	17.24	88	54.69	31	48.92	251	59.172	71	36.87	14
Mai 10.1	36.985	35	51.13	127	15.299	33	16.36	104	54.38	23	46.41	284	59.101	27	36.73	8
20.1	36.950	6	49.86	144	15.266	10	15.32	120	54.15	16	43.57	311	59.074	20	36.65	2
30.0	36.956	48	48.42	158	15.276	51	14.12	133	53.99	8	40.46	330	59.094	64	36.63	7
Juni 9.0	37.004	89	46.84	168	15.327	92	12.79	144	53.91	1	37.16	341	59.158	109	36.70	15
19.0	37.093	128	45.16	175	15.419	131	11.35	150	53.92	9	33.75	343	59.267	149	36.85	23
29.0	37.221	163	43.41	176	15.550	165	9.85	152	54.01	16	30.32	337	59.416	186	37.08	31
Juli 8.9	37.384	193	41.65	172	15.715	195	8.33	151	54.17	25	26.95	319	59.602	218	37.39	37
18.9	37.577	218	39.93	164	15.910	220	6.82	143	54.42	31	23.76	294	59.820	244	37.76	42
28.9	37.795	240	38.29	148	16.130	242	5.39	132	54.73	37	20.82	258	60.064	265	38.18	44
Aug. 7.9	38.035	256	36.81	127	16.372	257	4.07	114	55.10	42	18.24	214	60.329	282	38.62	43
17.8	38.291	268	35.54	103	16.629	268	2.93	93	55.52	47	16.10	163	60.611	294	39.05	40
27.8	38.559	275	34.51	73	16.897	276	2.00	67	55.99	49	14.47	105	60.905	300	39.45	35
Sept. 6.8	38.834	279	33.78	40	17.173	279	1.33	38	56.48	51	13.42	42	61.205	304	39.80	28
16.7	39.113	277	33.38	3	17.452	278	0.95	8	56.99	51	13.00	22	61.509	303	40.08	20
26.7	39.390	273	33.33	31	17.730	274	0.87	23	57.50	49	13.22	87	61.812	299	40.28	11
Okt. 6.7	39.663	265	33.64	64	18.004	265	1.10	53	57.99	48	14.09	150	62.111	291	40.39	3
16.7	39.928	252	34.28	96	18.269	254	1.63	81	58.47	43	15.59	209	62.402	279	40.42	5
26.6	40.180	235	35.24	124	18.523	237	2.44	106	58.90	37	17.68	259	62.681	262	40.37	11
Nov. 5.6	40.415	213	36.48	146	18.760	216	3.50	124	59.27	32	20.27	302	62.943	241	40.26	14
15.6	40.628	187	37.94	162	18.976	190	4.74	137	59.59	23	23.29	332	63.184	214	40.12	16
25.6	40.815	155	39.56	170	19.166	158	6.11	146	59.82	16	26.61	351	63.398	181	39.96	14
Dez. 5.5	40.970	118	41.26	174	19.324	123	7.57	147	59.98	7	30.12	359	63.579	143	39.82	12
15.5	41.088	78	43.00	170	19.447	82	9.04	143	60.05	3	33.71	353	63.722	99	39.70	8
25.5	41.166	35	44.70	160	19.529	39	10.47	136	60.02	11	37.24	335	63.821	54	39.62	3
35.4	41.201		46.30		19.568		11.83		59.91		40.59		63.875		39.59	
Mittl. Ort	37.029		36.45		15.288		2.47		56.76		26.39		58.936		46.34	
sec δ, tg δ	1.005		−0.104		1.000		−0.022		2.169		−1.924		1.072		+0.386	

Mittlere Zeit Greenw.	215) α Columbae AR.		Dekl.		216) o Aurigae AR.		Dekl.		219) ζ Leporis AR.		Dekl.		220) ϰ Orionis AR.		Dekl.	
1922	$5^h\ 36^m$		−34° 6′		$5^h\ 39^m$		+49° 47′		$5^h\ 43^m$		−14° 50′		$5^h\ 44^m$		−9° 41′	
Jan. 0.5	51.153	29	67.48	275	53.921	25	31.06	161	26.846	8	72.11	203	5.003	15	58.33	178
10.4	51.124	81	70.23	249	53.946	44	32.67	153	26.854	38	74.14	183	5.018	31	60.11	160
20.4	51.043	128	72.72	215	53.902	112	34.20	138	26.816	81	75.97	158	4.987	75	61.71	139
30.4	50.915	171	74.87	176	53.790	172	35.58	117	26.735	121	77.55	132	4.912	114	63.10	114
Feb. 9.3	50.744	205	76.63	135	53.618	224	36.75	91	26.614	155	78.87	101	4.798	148	64.24	89
19.3	50.539	230	77.98	90	53.394	261	37.66	60	26.459	180	79.88	70	4.650	173	65.13	62
März 1.3	50.309	247	78.88	45	53.133	286	38.26	27	26.279	196	80.58	39	4.477	189	65.75	35
11.3	50.062	251	79.33	1	52.847	293	38.53	7	26.083	202	80.97	8	4.288	195	66.10	7
21.2	49.811	245	79.32	45	52.554	285	38.46	40	25.881	197	81.05	25	4.093	191	66.17	19
31.2	49.566	228	78.87	89	52.269	262	38.06	71	25.684	183	80.80	54	3.902	177	65.98	45
Apr. 10.2	49.338	203	77.98	129	52.007	226	37.35	98	25.501	161	80.26	83	3.725	154	65.53	71
20.1	49.135	169	76.69	167	51.781	178	36.37	120	25.340	130	79.43	112	3.571	124	64.82	96
30.1	48.966	129	75.02	202	51.603	122	35.17	138	25.210	95	78.31	138	3.447	89	63.86	118
Mai 10.1	48.837	85	73.00	232	51.481	61	33.79	150	25.115	54	76.93	161	3.358	49	62.68	139
20.1	48.752	37	70.68	257	51.420	4	32.29	155	25.061	13	75.32	181	3.309	8	61.29	158
30.0	48.715	11	68.11	275	51.424	68	30.74	156	25.048	30	73.51	197	3.301	34	59.71	172
Juni 9.0	48.726	59	65.36	287	51.492	130	29.18	151	25.078	71	71.54	209	3.335	75	57.99	184
19.0	48.785	104	62.49	292	51.622	190	27.67	143	25.149	111	69.45	215	3.410	114	56.15	191
29.0	48.889	148	59.57	288	51.812	243	26.24	130	25.260	147	67.30	216	3.524	150	54.24	191
Juli 8.9	49.037	187	56.69	277	52.055	289	24.94	115	25.407	180	65.14	209	3.674	181	52.33	187
18.9	49.224	221	53.92	257	52.344	330	23.79	97	25.587	208	63.05	197	3.855	208	50.46	177
28.9	49.445	251	51.35	228	52.674	364	22.82	78	25.795	231	61.08	178	4.063	231	48.69	161
Aug. 7.9	49.696	275	49.07	193	53.038	389	22.04	59	26.026	251	59.30	153	4.294	250	47.08	138
17.8	49.971	294	47.14	150	53.427	409	21.45	38	26.277	265	57.77	121	4.544	263	45.70	110
27.8	50.265	306	45.64	101	53.836	423	21.07	17	26.542	275	56.56	85	4.807	273	44.60	78
Sept. 6.8	50.571	312	44.63	48	54.259	429	20.90	3	26.817	281	55.71	45	5.080	277	43.82	43
16.7	50.883	313	44.15	8	54.688	431	20.93	23	27.098	282	55.26	3	5.357	279	43.39	4
26.7	51.196	308	44.23	64	55.119	426	21.16	42	27.380	279	55.23	40	5.636	277	43.35	34
Okt. 6.7	51.504	297	44.87	118	55.545	415	21.58	63	27.659	271	55.63	83	5.913	270	43.69	73
16.7	51.801	279	46.05	169	55.960	399	22.21	82	27.930	260	56.46	121	6.183	258	44.42	107
26.6	52.080	256	47.74	214	56.359	375	23.03	101	28.190	243	57.67	156	6.441	243	45.49	138
Nov. 5.6	52.336	227	49.88	251	56.734	343	24.04	119	28.433	222	59.23	184	6.684	222	46.87	164
15.6	52.563	190	52.39	278	57.077	304	25.23	135	28.655	193	61.07	205	6.906	196	48.51	181
25.6	52.753	150	55.17	296	57.381	255	26.58	149	28.848	162	63.12	218	7.102	165	50.32	193
Dez. 5.5	52.903	103	58.13	303	57.636	199	28.07	160	29.010	123	65.30	223	7.267	128	52.25	197
15.5	53.006	55	61.16	299	57.835	137	29.67	167	29.133	82	67.53	220	7.395	86	54.22	194
25.5	53.061	2	64.15	285	57.972	69	31.34	166	29.215	37	69.73	210	7.481	43	56.16	184
35.4	53.063		67.00		58.041		33.00		29.252		71.83		7.524		58.00	
Mittl. Ort	49.409		54.09		51.386		37.54		25.238		60.18		3.405		46.78	
sec δ, tg δ	1.208		−0.677		1.549		+1.183		1.035		−0.265		1.014		−0.171	

Mittlere Zeit Greenw.	224) α Orionis AR.		224) α Orionis Dekl.		225) δ Aurigae AR.		225) δ Aurigae Dekl.		227) β Aurigae AR.		227) β Aurigae Dekl.		228) ϑ Aurigae AR.		228) ϑ Aurigae Dekl.	
1922	$5^h 50^m$		+7° 23′		$5^h 53^m$		+54° 16′		$5^h 53^m$		+44° 56′		$5^h 54^m$		+37° 12′	
Jan. 0.5	58.557	34	27.13	88	9.032	43	42.59	187	50.750	46	19.88	136	26.210	49	22.34	91
10.4	58.591	12	26.25	76	9.075	35	44.46	179	50.796	18	21.24	132	26.259	11	23.25	90
20.4	58.579	57	25.49	64	9.040	111	46.25	164	50.778	82	22.56	122	26.248	67	24.15	85
30.4	58.522	99	24.85	51	8.929	181	47.89	143	50.696	140	23.78	107	26.181	119	25.00	75
Feb. 9.3	58.423	135	24.34	40	8.748	239	49.32	115	50.556	190	24.85	87	26.062	165	25.75	62
19.3	58.288	162	23.94	28	8.509	285	50.47	82	50.366	228	25.72	63	25.897	199	26.37	44
März 1.3	58.126	180	23.66	18	8.224	314	51.29	46	50.138	254	26.35	35	25.698	222	26.81	25
11.3	57.946	187	23.48	7	7.910	327	51.75	8	49.884	264	26.70	6	25.476	232	27.06	4
21.2	57.759	184	23.41	4	7.583	321	51.83	29	49.620	261	26.76	23	25.244	229	27.10	18
31.2	57.575	170	23.45	14	7.262	301	51.54	65	49.359	243	26.53	50	25.015	213	26.92	37
Apr. 10.2	57.405	149	23.59	25	6.961	264	50.89	98	49.116	212	26.03	74	24.802	185	26.55	54
20.2	57.256	119	23.84	36	6.697	215	49.91	125	48.904	171	25.29	95	24.617	149	26.01	69
30.1	57.137	82	24.20	48	6.482	156	48.66	148	48.733	122	24.34	111	24.468	105	25.32	79
Mai 10.1	57.055	43	24.68	60	6.326	91	47.18	164	48.611	67	23.23	122	24.363	55	24.53	86
20.1	57.012	2	25.28	71	6.235	21	45.54	175	48.544	9	22.01	129	24.308	4	23.67	89
30.1	57.010	41	25.99	81	6.214	49	43.79	178	48.535	49	20.72	130	24.304	49	22.78	89
Juni 9.0	57.051	82	26.80	90	6.263	117	42.01	178	48.584	106	19.42	128	24.353	99	21.89	85
19.0	57.133	120	27.70	97	6.380	183	40.23	171	48.690	160	18.14	122	24.452	148	21.04	78
29.0	57.253	156	28.67	102	6.563	242	38.52	160	48.850	210	16.92	112	24.600	191	20.26	70
Juli 9.0	57.409	186	29.69	102	6.805	297	36.92	146	49.060	254	15.80	100	24.791	230	19.56	61
18.9	57.595	214	30.71	99	7.102	343	35.46	129	49.314	291	14.80	87	25.021	263	18.95	50
28.9	57.809	235	31.70	92	7.445	383	34.17	110	49.605	323	13.93	73	25.284	292	18.45	41
Aug. 7.9	58.044	254	32.62	82	7.828	415	33.07	88	49.928	349	13.20	57	25.576	314	18.04	30
17.8	58.298	266	33.44	68	8.243	440	32.19	65	50.277	369	12.63	41	25.890	331	17.74	20
27.8	58.564	276	34.12	49	8.683	458	31.54	42	50.646	383	12.22	26	26.221	343	17.54	12
Sept. 6.8	58.840	282	34.61	29	9.141	469	31.12	19	51.029	392	11.96	10	26.564	351	17.42	4
16.8	59.122	285	34.90	6	9.610	474	30.93	5	51.421	396	11.86	5	26.915	355	17.38	5
26.7	59.407	283	34.96	16	10.084	472	30.98	30	51.817	395	11.91	20	27.270	354	17.43	12
Okt. 6.7	59.690	277	34.80	38	10.556	464	31.28	54	52.212	388	12.11	37	27.624	348	17.55	21
16.7	59.967	269	34.42	58	11.020	447	31.82	77	52.600	375	12.48	52	27.972	338	17.76	29
26.6	60.236	256	33.84	76	11.467	424	32.59	102	52.975	358	13.00	68	28.310	322	18.05	39
Nov. 5.6	60.492	237	33.08	89	11.891	390	33.61	125	53.333	331	13.68	85	28.632	299	18.44	49
15.6	60.729	212	32.19	98	12.281	349	34.86	145	53.664	297	14.53	100	28.931	270	18.93	59
25.6	60.941	183	31.21	102	12.630	296	36.31	163	53.961	255	15.53	113	29.201	233	19.52	70
Dez. 5.5	61.124	147	30.19	102	12.926	235	37.94	177	54.216	206	16.66	126	29.434	190	20.22	80
15.5	61.271	107	29.17	98	13.161	166	39.71	187	54.422	149	17.92	134	29.624	139	21.02	87
25.5	61.378	63	28.19	91	13.327	91	41.58	191	54.571	87	19.26	139	29.763	84	21.89	92
35.5	61.441		27.28		13.418		43.49		54.658		20.65		29.847		22.81	
Mittl. Ort	56.911		37.46		6.265		49.82		48.440		27.73		24.145		30.73	
sec δ, tg δ	1.008		+0.130		1.713		+1.391		1.413		+0.998		1.256		+0.759	

Mittlere Zeit Greenw.	229) η Columbae				232) ν Orionis				236) η Geminorum				234) 22 H. Camelop.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$5^h 56^m$		−42° 48′		$6^h 3^m$		+14° 46′		$6^h 10^m$		+22° 31′		$6^h 10^m$		+69° 20′	
	s		″		s		″		s		″		s		″	
Jan. 0.5	47.534	29	81.34	312	8.823	50	33.82	46	11.961	61	40.61	1	19.63	7	51.01	259
10.4	47.505	87	84.46	285	8.873	2	33.36	36	12.022	9	40.62	8	19.70	—6	53.60	252
20.4	47.418	142	87.31	251	8.875	—47	33.00	28	12.031	—41	40.70	12	19.64	19	56.12	235
30.4	47.276	191	89.82	212	8.828	91	32.72	21	11.990	89	40.82	16	19.45	30	58.47	208
Feb. 9.4	47.085	232	91.94	167	8.737	129	32.51	14	11.901	130	40.98	17	19.15	40	60.55	173
19.3	46.853	263	93.61	119	8.608	159	32.37	8	11.771	163	41.15	14	18.75	48	62.28	131
März 1.3	46.590	284	94.80	70	8.449	180	32.29	5	11.608	185	41.29	11	18.27	53	63.59	85
11.3	46.306	293	95.50	21	8.269	190	32.24	2	11.423	198	41.40	5	17.74	57	64.44	35
21.3	46.013	289	95.71	—28	8.079	188	32.22	0	11.225	197	41.45	1	17.17	56	64.79	—15
31.2	45.724	276	95.43	77	7.891	177	32.22	4	11.028	186	41.46	—5	16.61	53	64.64	64
Apr. 10.2	45.448	251	94.66	122	7.714	156	32.26	7	10.842	166	41.41	10	16.08	49	64.00	109
20.2	45.197	219	93.44	165	7.558	126	32.33	11	10.676	135	41.31	12	15.59	42	62.91	150
30.1	44.978	177	91.79	204	7.432	91	32.44	17	10.541	99	41.19	14	15.17	33	61.41	185
Mai 10.1	44.801	132	89.75	238	7.341	51	32.61	24	10.442	58	41.05	12	14.84	22	59.56	211
20.1	44.669	82	87.37	267	7.290	9	32.85	30	10.384	15	40.93	11	14.62	13	57.45	232
30.1	44.587	30	84.70	289	7.281	—34	33.15	38	10.369	—30	40.82	6	14.49	1	55.13	243
Juni 9.0	44.557	—22	81.81	305	7.315	75	33.53	45	10.399	73	40.76	2	14.48	—10	52.70	248
19.0	44.579	75	78.76	312	7.390	115	33.98	51	10.472	115	40.74	—3	14.58	21	50.22	247
29.0	44.654	123	75.64	311	7.505	152	34.49	55	10.587	152	40.77	8	14.79	31	47.75	238
Juli 9.0	44.777	170	72.53	301	7.657	183	35.04	58	10.739	188	40.85	12	15.10	41	45.37	223
18.9	44.947	212	69.52	281	7.840	212	35.62	58	10.927	216	40.97	14	15.51	49	43.14	205
28.9	45.159	249	66.71	254	8.052	236	36.20	55	11.143	242	41.11	16	16.00	56	41.09	181
Aug. 7.9	45.408	282	64.17	217	8.288	254	36.75	49	11.385	263	41.27	15	16.56	62	39.28	153
17.8	45.690	306	62.00	174	8.542	270	37.24	41	11.648	280	41.42	12	17.18	68	37.75	124
27.8	45.996	327	60.26	122	8.812	281	37.65	29	11.928	292	41.54	7	17.86	72	36.51	92
Sept. 6.8	46.323	339	59.04	66	9.093	289	37.94	15	12.220	302	41.61	1	18.58	74	35.59	57
16.8	46.662	345	58.38	7	9.382	293	38.09	1	12.522	306	41.62	—6	19.32	76	35.02	22
26.7	47.007	343	58.31	—54	9.675	293	38.10	—14	12.828	308	41.56	14	20.08	76	34.80	—15
Okt. 6.7	47.350	334	58.85	114	9.968	291	37.96	30	13.136	307	41.42	20	20.84	75	34.95	51
16.7	47.684	318	59.99	170	10.259	283	37.66	42	13.443	300	41.22	25	21.59	73	35.46	89
26.7	48.002	293	61.69	221	10.542	271	37.24	53	13.743	289	40.97	29	22.32	70	36.35	125
Nov. 5.6	48.295	261	63.90	264	10.813	254	36.71	60	14.032	272	40.68	29	23.02	64	37.60	159
15.6	48.556	222	66.54	297	11.067	231	36.11	65	14.304	249	40.39	28	23.66	57	39.19	191
25.6	48.778	175	69.51	320	11.298	202	35.46	65	14.553	218	40.11	24	24.23	48	41.10	218
Dez. 5.5	48.953	123	72.71	331	11.500	166	34.81	62	14.771	183	39.87	17	24.71	38	43.28	241
15.5	49.076	66	76.02	331	11.666	126	34.19	56	14.954	139	39.70	9	25.09	27	45.69	255
25.5	49.142	8	79.33	320	11.792	79	33.63	48	15.093	92	39.61	1	25.36	15	48.24	263
35.5	49.150		82.53		11.871		33.15		15.185		39.60		25.51		50.87	
Mittl. Ort	45.546		68.43		7.120		44.00		10.178		50.64		15.27		58.98	
sec δ, tg δ	1.363		−0.927		1.034		+0.264		1.083		+0.415		2.836		+2.654	

Mittlere Zeit Greenw.	240) ζ Canis maj.				241) μ Geminorum				242) ψ¹ Aurigae				243) β Canis maj.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	6h 17m s		−30° 1′ ″		6h 18m s		+22° 33′ ″		6h 18m s		+49° 19′ ″		6h 19m s		−17° 54′ ″	
Jan. 0.5	20.894	22	51.94	282	16.319	69	7.49	1	56.010	83	36.34	160	17.548	39	69.85	231
10.4	20.916	31	54.76	260	16.388	18	7.48	7	56.093	10	37.94	160	17.587	9	72.16	213
20.4	20.885	81	57.36	233	16.406	34	7.55	13	56.103	61	39.54	154	17.578	57	74.29	189
30.4	20.804	128	59.69	199	16.372	82	7.68	17	56.042	127	41.08	140	17.521	101	76.18	160
Feb. 9.4	20.676	167	61.68	162	16.290	124	7.85	19	55.915	187	42.48	120	17.420	140	77.78	129
19.3	20.509	200	63.30	121	16.166	159	8.04	17	55.728	233	43.68	95	17.280	170	79.07	97
März 1.3	20.309	222	64.51	80	16.007	183	8.21	14	55.495	267	44.63	65	17.110	192	80.04	63
11.3	20.087	234	65.31	37	15.824	196	8.35	9	55.228	286	45.28	34	16.918	204	80.67	29
21.3	19.853	235	65.68	6	15.628	197	8.44	4	54.942	288	45.62	0	16.714	205	80.96	5
31.2	19.618	226	65.62	47	15.431	188	8.48	2	54.654	276	45.62	32	16.509	197	80.91	38
Apr. 10.2	19.392	207	65.15	87	15.243	168	8.46	7	54.378	248	45.30	63	16.312	179	80.53	70
20.2	19.185	180	64.28	126	15.075	140	8.39	10	54.130	210	44.67	90	16.133	154	79.83	101
30.1	19.005	147	63.02	161	14.935	104	8.29	12	53.920	161	43.77	112	15.979	122	78.82	129
Mai 10.1	18.858	108	61.41	193	14.831	64	8.17	12	53.759	107	42.65	130	15.857	86	77.53	155
20.1	18.750	67	59.48	220	14.767	22	8.05	10	53.652	46	41.35	144	15.771	46	75.98	178
30.1	18.683	23	57.28	243	14.745	23	7.95	8	53.606	14	39.91	151	15.725	6	74.20	197
Juni 9.0	18.660	22	54.85	258	14.768	66	7.87	4	53.620	76	38.40	154	15.719	35	72.23	211
19.0	18.682	65	52.27	269	14.834	106	7.83	1	53.696	134	36.86	153	15.754	75	70.12	219
29.0	18.747	107	49.58	271	14.940	146	7.84	5	53.830	189	35.33	147	15.829	113	67.93	222
Juli 9.0	18.854	145	46.87	266	15.086	180	7.89	8	54.019	239	33.86	139	15.942	146	65.71	219
18.9	18.999	181	44.21	252	15.266	210	7.97	10	54.258	283	32.47	127	16.088	179	63.52	208
28.9	19.180	213	41.69	230	15.476	236	8.07	10	54.541	321	31.20	113	16.267	205	61.44	190
Aug. 7.9	19.393	239	39.39	201	15.712	258	8.17	10	54.862	354	30.07	98	16.472	229	59.54	166
17.8	19.632	263	37.38	164	15.970	276	8.27	6	55.216	380	29.09	82	16.701	249	57.88	135
27.8	19.895	281	35.74	120	16.246	289	8.33	1	55.596	401	28.27	64	16.950	264	56.53	99
Sept. 6.8	20.176	294	34.54	72	16.535	299	8.34	5	55.997	416	27.63	47	17.214	276	55.54	58
16.8	20.470	302	33.82	20	16.834	306	8.29	12	56.413	425	27.16	27	17.490	283	54.96	13
26.7	20.772	305	33.62	35	17.140	310	8.17	19	56.838	430	26.89	8	17.773	287	54.83	32
Okt. 6.7	21.077	303	33.97	89	17.450	308	7.98	27	57.268	428	26.81	13	18.060	285	55.15	77
16.7	21.380	294	34.86	140	17.758	304	7.71	31	57.696	420	26.94	34	18.345	278	55.92	120
26.7	21.674	279	36.26	187	18.062	293	7.40	34	58.116	405	27.28	56	18.623	267	57.12	160
Nov. 5.6	21.953	257	38.13	227	18.355	278	7.06	35	58.521	380	27.84	77	18.890	249	58.72	192
15.6	22.210	228	40.40	258	18.633	256	6.71	33	58.901	348	28.61	99	19.139	225	60.64	218
25.6	22.438	192	42.98	281	18.889	226	6.38	28	59.249	305	29.60	118	19.364	194	62.82	235
Dez. 5.5	22.630	152	45.79	293	19.115	191	6.10	20	59.554	254	30.78	137	19.558	157	65.17	245
15.5	22.782	104	48.72	296	19.306	148	5.90	13	59.808	193	32.15	151	19.715	115	67.62	245
25.5	22.886	54	51.68	288	19.454	101	5.77	3	60.001	127	33.66	160	19.830	69	70.07	236
35.5	22.940		54.56		19.555		5.74		60.128		35.26		19.899		72.43	
Mittl. Ort	19.089		40.24		14.540		17.83		53.567		45.76		15.862		58.39	
sec δ, tg δ	1.155		−0.578		1.083		+0.415		1.534		+1.164		1.051		−0.323	

Mittlere Zeit Greenw.	244) 8 Monocerotis AR.		Dekl.		245) α Argus AR.		Dekl.		246) 10 Monocerotis AR.		Dekl.		247) 8 Lyncis AR.		Dekl.	
	$6^h 19^m$		+4° 37′		$6^h 22^m$		−52° 38′		$6^h 24^m$		−4° 42′		$6^h 30^m$		+61° 32′	
1922	s		″		s		″		s		″		s		″	
Jan. 0.5	39.758	60	49.88	111	15.593	25	80.84	345	8.115	57	57.53	166	37.16	11	55.95	223
10.4	39.818	11	48.77	97	15.568	96	84.29	322	8.172	9	59.19	149	37.27	1	58.18	222
20.4	39.829	35	47.80	82	15.472	164	87.51	291	8.181	38	60.68	131	37.28	8	60.40	213
30.4	39.794	80	46.98	67	15.308	224	90.42	252	8.143	82	61.99	109	37.20	18	62.53	195
Feb. 9.4	39.714	119	46.31	50	15.084	277	92.94	208	8.061	120	63.08	87	37.02	26	64.48	169
19.3	39.595	150	45.81	36	14.807	318	95.02	159	7.941	152	63.95	64	36.76	32	66.17	136
März 1.3	39.445	172	45.45	22	14.489	347	96.61	109	7.789	175	64.59	40	36.44	37	67.53	97
11.3	39.273	184	45.23	8	14.142	363	97.70	56	7.614	187	64.99	18	36.07	40	68.50	55
21.3	39.089	186	45.15	6	13.779	365	98.26	3	7.427	189	65.17	4	35.67	40	69.05	12
31.2	38.903	177	45.21	18	13.414	356	98.29	48	7.238	181	65.13	26	35.27	40	69.17	32
Apr. 10.2	38.726	159	45.39	31	13.058	334	97.81	99	7.057	165	64.87	47	34.87	36	68.85	74
20.2	38.567	134	45.70	43	12.724	301	96.82	146	6.892	140	64.40	67	34.51	32	68.11	112
30.1	38.433	102	46.13	56	12.423	260	95.36	190	6.752	109	63.73	87	34.19	26	66.99	144
Mai 10.1	38.331	65	46.69	69	12.163	211	93.46	230	6.643	74	62.86	106	33.93	18	65.55	172
20.1	38.266	26	47.38	79	11.952	156	91.16	263	6.569	35	61.80	122	33.75	11	63.83	192
30.1	38.240	15	48.17	90	11.796	99	88.53	291	6.534	4	60.58	135	33.64	3	61.91	207
Juni 9.0	38.255	54	49.07	98	11.697	37	85.62	312	6.538	43	59.23	147	33.61	6	59.84	215
19.0	38.309	92	50.05	105	11.660	23	82.50	323	6.581	81	57.76	154	33.67	14	57.69	217
29.0	38.401	127	51.10	108	11.683	84	79.27	327	6.662	117	56.22	157	33.81	21	55.52	213
Juli 9.0	38.528	160	52.18	108	11.767	142	76.00	322	6.779	149	54.65	156	34.02	28	53.39	205
18.9	38.688	188	53.26	104	11.909	197	72.78	306	6.928	178	53.09	149	34.30	34	51.34	192
28.9	38.876	213	54.30	95	12.106	247	69.72	281	7.106	204	51.60	136	34.64	40	49.42	174
Aug. 7.9	39.089	234	55.25	83	12.353	292	66.91	246	7.310	226	50.24	119	35.04	45	47.68	154
17.8	39.323	250	56.08	67	12.645	331	64.45	203	7.536	244	49.05	96	35.49	50	46.14	132
27.8	39.573	264	56.75	46	12.976	363	62.42	153	7.780	258	48.09	70	35.99	52	44.82	106
Sept. 6.8	39.837	274	57.21	24	13.339	386	60.89	96	8.038	269	47.39	38	36.51	55	43.76	79
16.8	40.111	281	57.45	1	13.725	400	59.93	33	8.307	277	47.01	5	37.06	56	42.97	50
26.7	40.392	283	57.44	27	14.125	405	59.60	30	8.584	280	46.96	29	37.62	58	42.47	20
Okt. 6.7	40.675	284	57.17	51	14.530	401	59.90	94	8.864	281	47.25	63	38.20	57	42.27	12
16.7	40.959	278	56.66	75	14.931	385	60.84	156	9.145	276	47.88	95	38.77	57	42.39	43
26.7	41.237	269	55.91	95	15.316	360	62.40	213	9.421	266	48.83	124	39.34	54	42.82	76
Nov. 5.6	41.506	254	54.96	110	15.676	323	64.53	262	9.687	252	50.07	147	39.88	52	43.58	108
15.6	41.760	233	53.86	122	15.999	277	67.15	303	9.939	230	51.54	166	40.40	47	44.66	138
25.6	41.993	206	52.64	127	16.276	222	70.18	332	10.169	203	53.20	176	40.87	41	46.04	167
Dez. 5.5	42.199	171	51.37	127	16.498	160	73.50	350	10.372	169	54.96	180	41.28	34	47.71	191
15.5	42.370	133	50.10	123	16.658	91	77.00	356	10.541	130	56.76	178	41.62	26	49.62	209
25.5	42.503	88	48.87	115	16.749	20	80.56	351	10.671	85	58.54	170	41.88	17	51.71	222
35.5	42.591		47.72		16.769		84.07		10.756		60.24		42.05		53.93	
Mittl. Ort	38.110		60.82		13.151		69.34		6.475		46.37		33.96		65.89	
sec δ, tg δ	1.003		+0.081		1.648		−1.310		1.003		−0.082		2.099		+1.846	

Mittlere Zeit Greenw.	249) ξ² Canis maj.				248) 23 H. Camelop.				251) γ Geminorum				250) 51 Aurigae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	6h 31m		−22° 54′		6h 32m		+79° 38′		6h 33m		+16° 27′		6h 33m		+39° 27′	
Jan. 0.5	48.958	46	18.76	259	64.99	17	59.02	298	14.105	81	50.46	41	17.399	96	29.06	101
10.4	49.004	4	21.35	240	65.16	9	62.00	294	14.186	30	50.05	31	17.495	34	30.07	107
20.4	49.000	53	23.75	215	65.07	32	64.94	279	14.216	20	49.74	20	17.529	28	31.14	107
30.4	48.947	100	25.90	186	64.75	56	67.73	253	14.196	68	49.54	10	17.501	87	32.21	102
Feb. 9.4	48.847	140	27.76	152	64.19	76	70.26	218	14.128	110	49.44	3	17.414	140	33.23	92
19.3	48.707	174	29.28	117	63.43	93	72.44	174	14.018	146	49.41	2	17.274	183	34.15	77
März 1.3	48.533	198	30.45	80	62.50	105	74.18	123	13.872	171	49.43	6	17.091	214	34.92	59
11.3	48.335	211	31.25	42	61.45	112	75.41	69	13.701	186	49.49	8	16.877	234	35.51	37
21.3	48.124	215	31.67	4	60.33	114	76.10	11	13.515	190	49.57	9	16.643	239	35.88	13
31.2	47.909	208	31.71	32	59.19	112	76.21	44	13.325	184	49.66	9	16.404	231	36.01	9
Apr. 10.2	47.701	193	31.39	68	58.07	105	75.77	99	13.141	167	49.75	10	16.173	210	35.92	32
20.2	47.508	169	30.71	103	57.02	94	74.78	148	12.974	142	49.85	12	15.963	181	35.60	51
30.2	47.339	138	29.68	134	56.08	79	73.30	191	12.832	110	49.97	14	15.782	141	35.09	69
Mai 10.1	47.201	103	28.34	164	55.29	61	71.39	227	12.722	73	50.11	17	15.641	95	34.40	83
20.1	47.098	64	26.70	189	54.68	42	69.12	255	12.649	33	50.28	20	15.546	47	33.57	92
30.1	47.034	24	24.81	210	54.26	22	66.57	275	12.616	7	50.48	25	15.499	5	32.65	99
Juni 9.1	47.010	18	22.71	227	54.04	0	63.82	287	12.623	49	50.73	29	15.504	55	31.66	101
19.0	47.028	58	20.44	237	54.04	21	60.95	291	12.672	88	51.02	33	15.559	105	30.65	102
29.0	47.086	98	18.07	241	54.25	42	58.04	287	12.760	125	51.35	36	15.664	151	29.63	99
Juli 9.0	47.184	133	15.66	237	54.67	61	55.17	276	12.885	159	51.71	37	15.815	193	28.64	94
18.9	47.317	166	13.29	227	55.28	78	52.41	259	13.044	189	52.08	36	16.008	231	27.70	88
28.9	47.483	197	11.02	210	56.06	95	49.82	236	13.233	215	52.44	33	16.239	264	26.82	81
Aug. 7.9	47.680	222	8.92	184	57.01	109	47.46	209	13.448	237	52.77	28	16.503	292	26.01	73
17.9	47.902	245	7.08	152	58.10	121	45.37	177	13.685	256	53.05	19	16.795	316	25.28	64
27.8	48.147	263	5.56	113	59.31	131	43.60	141	13.941	272	53.24	9	17.111	335	24.64	56
Sept. 6.8	48.410	277	4.43	69	60.62	139	42.19	103	14.213	283	53.33	3	17.446	350	24.08	48
16.8	48.687	288	3.74	23	62.01	143	41.16	61	14.496	292	53.30	17	17.796	361	23.60	38
26.8	48.975	293	3.51	28	63.44	146	40.55	19	14.788	298	53.13	30	18.157	367	23.22	28
Okt. 6.7	49.268	293	3.79	76	64.90	145	40.36	25	15.086	299	52.83	43	18.524	369	22.94	18
16.7	49.561	289	4.55	124	66.35	142	40.61	70	15.385	297	52.40	55	18.893	365	22.76	5
26.7	49.850	278	5.79	167	67.77	136	41.31	114	15.682	290	51.85	63	19.258	356	22.71	8
Nov. 5.6	50.128	260	7.46	204	69.13	126	42.45	157	15.972	276	51.22	69	19.614	339	22.79	24
15.6	50.388	236	9.50	234	70.39	113	44.02	197	16.248	257	50.53	71	19.953	314	23.03	39
25.6	50.624	206	11.84	255	71.52	97	45.99	233	16.505	230	49.82	69	20.267	281	23.42	56
Dez. 5.6	50.830	168	14.39	267	72.49	78	48.32	262	16.735	197	49.13	64	20.548	239	23.98	72
15.5	50.998	125	17.06	270	73.27	56	50.94	285	16.932	156	48.49	55	20.787	190	24.70	86
25.5	51.123	77	19.76	264	73.83	32	53.79	297	17.088	112	47.94	46	20.977	133	25.56	99
35.5	51.200		22.40		74.15		56.76		17.200		47.48		21.110		26.55	
Mittl. Ort	47.213		7.62		56.97		68.72		12.396		61.44		15.332		39.70	
sec δ; tg δ	1.086		−0.422		5.567		+5.476		1.043		+0.296		1.295		+0.823	

Mittlere Zeit Greenw.	252) ν Argus AR.		252) ν Argus Dekl.		253) *S* Monocerotis AR.		253) *S* Monocerotis Dekl.		254) ε Geminorum AR.		254) ε Geminorum Dekl.		256) ξ Geminorum AR.		256) ξ Geminorum Dekl.	
1922	6h 35m		−43° 7′		6h 36m		+9° 57′		6h 39m		+25° 12′		6h 40m		+12° 58′	
	s		″		s		″		s		″		s		″	
Jan. 0.5	24.575	20	48.05	331	42.656	80	57.47	82	9.867	93	23.69	12	56.420	86	39.82	66
10.5	24.595	—41	51.36	312	42.736	30	56.65	70	9.960	39	23.81	22	56.506	36	39.16	53
20.4	24.554	101	54.48	283	42.766	—18	55.95	56	9.999	—15	24.03	30	56.542	—14	38.63	40
30.4	24.453	156	57.31	248	42.748	65	55.39	43	9.984	66	24.33	34	56.528	62	38.23	29
Feb. 9.4	24.297	203	59.79	207	42.683	107	54.96	30	9.918	111	24.67	35	56.466	104	37.94	18
19.4	24.094	242	61.86	162	42.576	141	54.66	19	9.807	150	25.02	34	56.362	139	37.76	8
März 1.3	23.852	270	63.48	115	42.435	167	54.47	9	9.657	179	25.36	29	56.223	167	37.68	2
11.3	23.582	287	64.63	66	42.268	181	54.38	1	9.478	195	25.65	23	56.056	182	37.66	—4
21.3	23.295	291	65.29	17	42.087	186	54.37	—8	9.283	201	25.88	14	55.874	187	37.70	10
31.2	23.004	285	65.46	—32	41.901	181	54.45	15	9.082	195	26.02	6	55.687	182	37.80	13
Apr. 10.2	22.719	269	65.14	79	41.720	164	54.60	22	8.887	179	26.08	—3	55.505	167	37.93	17
20.2	22.450	242	64.35	125	41.556	141	54.82	29	8.708	153	26.05	9	55.338	144	38.10	22
30.2	22.208	208	63.10	167	41.415	111	55.11	36	8.555	120	25.96	16	55.194	113	38.32	26
Mai 10.1	22.000	168	61.43	204	41.304	75	55.47	45	8.435	82	25.80	19	55.081	79	38.58	31
20.1	21.832	122	59.39	239	41.229	37	55.92	52	8.353	40	25.61	22	55.002	40	38.89	37
30.1	21.710	74	57.00	266	41.192	—3	56.44	59	8.313	—4	25.39	22	54.962	—1	39.26	42
Juni 9.1	21.636	24	54.34	287	41.195	42	57.03	65	8.317	46	25.17	21	54.963	39	39.68	48
19.0	21.612	—26	51.47	302	41.237	80	57.68	70	8.363	88	24.96	20	55.002	78	40.16	51
29.0	21.638	76	48.45	306	41.317	116	58.38	72	8.451	127	24.76	18	55.080	115	40.67	53
Juli 9.0	21.714	124	45.39	303	41.433	150	59.10	73	8.578	163	24.58	15	55.195	148	41.20	54
18.9	21.838	168	42.36	291	41.583	178	59.83	70	8.741	196	24.43	14	55.343	178	41.74	52
28.9	22.006	210	39.45	269	41.761	205	60.53	64	8.937	223	24.29	14	55.521	204	42.26	47
Aug. 7.9	22.216	247	36.76	238	41.966	227	61.17	55	9.160	248	24.15	15	55.725	227	42.73	39
17.9	22.463	279	34.38	200	42.193	246	61.72	42	9.408	268	24.00	17	55.952	246	43.12	28
27.8	22.742	305	32.38	152	42.439	261	62.14	27	9.676	286	23.83	20	56.198	263	43.40	15
Sept. 6.8	23.047	327	30.86	99	42.700	273	62.41	8	9.962	298	23.63	25	56.461	275	43.55	0
16.8	23.374	341	29.87	41	42.973	283	62.49	—11	10.260	309	23.38	30	56.736	285	43.55	17
26.8	23.715	349	29.46	—19	43.256	289	62.38	32	10.569	315	23.08	34	57.021	292	43.38	35
Okt. 6.7	24.064	349	29.65	81	43.545	291	62.06	51	10.884	319	22.74	38	57.313	295	43.03	51
16.7	24.413	340	30.46	140	43.836	288	61.55	69	11.203	317	22.36	41	57.608	294	42.52	66
26.7	24.753	324	31.86	194	44.124	283	60.86	84	11.520	310	21.95	40	57.902	287	41.86	78
Nov. 5.6	25.077	299	33.80	244	44.407	269	60.02	96	11.830	296	21.55	38	58.189	276	41.08	87
15.6	25.376	265	36.24	283	44.676	251	59.06	103	12.126	277	21.17	33	58.465	257	40.21	91
25.6	25.641	222	39.07	313	44.927	225	58.03	105	12.403	250	20.84	25	58.722	232	39.30	92
Dez. 5.6	25.863	173	42.20	331	45.152	193	56.98	103	12.653	215	20.59	14	58.954	199	38.38	87
15.5	26.036	118	45.51	339	45.345	153	55.95	97	12.868	173	20.45	4	59.153	160	37.51	80
25.5	26.154	57	48.90	336	45.498	109	54.98	87	13.041	124	20.41	—8	59.313	116	36.71	70
35.5	26.211		52.26		45.607		54.11		13.165		20.49		59.429		36.01	
Mittl. Ort	22.451		37.27		40.990		68.58		8.077		34.80		54.742		51.00	
sec δ, tg δ	1.370		—0.937		1.015		+0.176		1.105		+0.471		1.026		+0.231	

Mittlere Zeit Greenw.	257) α Canis maj.*) AR.		Dekl.		258) 18 Monocerotis AR.		Dekl.		262) α Pictoris AR.		Dekl.		261) ϑ Geminorum AR.		Dekl.	
1922	$6^h\ 41^m$		−16° 36′		$6^h\ 43^m$		+2° 29′		$6^h\ 47^m$		−61° 51′		$6^h\ 47^m$		+34° 3′	
	s		″		s		″		s		″		s		″	
Jan. 0.5	44.229	58	42.36	235	49.320	82	43.60	130	26.71	1	35.99	366	40.922	109	12.39	66
10.5	44.287	9	44.71	218	49.402	32	42.30	115	26.70	11	39.65	348	41.031	51	13.05	74
20.4	44.296	40	46.89	195	49.434	15	41.15	98	26.59	20	43.13	321	41.082	9	13.79	80
30.4	44.256	86	48.84	168	49.419	62	40.17	81	26.39	28	46.34	287	41.073	65	14.59	81
Feb. 9.4	44.170	127	50.52	137	49.357	104	39.36	62	26.11	34	49.21	246	41.008	116	15.40	77
19.4	44.043	160	51.89	106	49.253	138	38.74	45	25.77	41	51.67	198	40.892	159	16.17	68
März 1.3	43.883	184	52.95	73	49.115	163	38.29	28	25.36	44	53.65	148	40.733	192	16.85	56
11.3	43.699	198	53.68	40	48.952	179	38.01	11	24.92	47	55.13	96	40.541	211	17.41	41
21.3	43.501	203	54.08	7	48.773	185	37.90	3	24.45	49	56.09	42	40.330	220	17.82	23
31.2	43.298	198	54.15	25	48.588	180	37.93	18	23.96	48	56.51	12	40.110	215	18.05	5
Apr. 10.2	43.100	182	53.90	55	48.408	166	38.11	33	23.48	45	56.39	64	39.895	199	18.10	12
20.2	42.918	160	53.35	86	48.242	144	38.44	47	23.03	43	55.75	116	39.696	173	17.98	28
30.1	42.758	131	52.49	113	48.098	115	38.91	60	22.60	39	54.59	163	39.523	139	17.70	42
Mai 10.1	42.627	97	51.36	139	47.983	82	39.51	73	22.21	33	52.96	207	39.384	98	17.28	54
20.1	42.530	58	49.97	160	47.901	45	40.24	85	21.88	27	50.89	246	39.286	54	16.74	62
30.1	42.472	20	48.37	180	47.856	7	41.09	96	21.61	20	48.43	279	39.232	7	16.12	68
Juni 9.1	42.452	20	46.57	194	47.849	31	42.05	103	21.41	13	45.64	305	39.225	39	15.44	72
19.0	42.472	58	44.63	204	47.880	69	43.08	110	21.28	6	42.59	323	39.264	84	14.72	73
29.0	42.530	96	42.59	206	47.949	104	44.18	113	21.22	3	39.36	332	39.348	128	13.99	72
Juli 9.0	42.626	130	40.53	205	48.053	137	45.31	112	21.25	10	36.04	332	39.476	167	13.27	70
19.0	42.756	162	38.48	195	48.190	166	46.43	108	21.35	18	32.72	322	39.643	203	12.57	67
28.9	42.918	190	36.53	180	48.356	193	47.51	99	21.53	24	29.50	302	39.846	235	11.90	64
Aug. 7.9	43.108	215	34.73	157	48.549	215	48.50	85	21.77	32	26.48	271	40.081	262	11.26	61
17.9	43.323	236	33.16	128	48.764	235	49.35	68	22.09	37	23.77	233	40.343	286	10.65	57
27.8	43.559	254	31.88	93	48.999	252	50.03	47	22.46	41	21.44	184	40.629	305	10.08	54
Sept. 6.8	43.813	269	30.95	55	49.251	265	50.50	22	22.87	46	19.60	129	40.934	322	9.54	51
16.8	44.082	278	30.40	11	49.516	275	50.72	4	23.33	50	18.31	67	41.256	333	9.03	48
26.8	44.360	285	30.29	33	49.791	283	50.68	33	23.83	50	17.64	3	41.589	343	8.55	42
Okt. 6.7	44.645	286	30.62	77	50.074	285	50.35	59	24.33	50	17.61	64	41.932	347	8.13	38
16.7	44.931	283	31.39	120	50.359	285	49.76	85	24.83	50	18.25	129	42.279	347	7.75	31
26.7	45.214	274	32.59	159	50.644	278	48.91	107	25.33	46	19.54	190	42.626	340	7.44	21
Nov. 5.6	45.488	259	34.18	191	50.922	267	47.84	126	25.79	42	21.44	245	42.966	327	7.23	11
15.6	45.747	238	36.09	218	51.189	249	46.58	138	26.21	37	23.89	292	43.293	308	7.12	2
25.6	45.985	209	38.27	237	51.438	224	45.20	145	26.58	30	26.81	328	43.601	277	7.14	16
Dez. 5.6	46.194	174	40.64	246	51.662	192	43.75	148	26.88	22	30.09	354	43.878	241	7.30	33
15.5	46.368	134	43.10	248	51.854	154	42.27	142	27.10	13	33.63	366	44.119	196	7.63	47
25.5	46.502	88	45.58	241	52.008	110	40.85	134	27.23	4	37.29	367	44.315	144	8.10	61
35.5	46.590		47.99		52.118		39.51		27.27		40.96		44.459		8.71	
Mittl. Ort	42.530		31.20		47.678		54.75		23.52		26.50		39.009		23.85	
sec δ, tg δ	1.044		−0.298		1.001		+0.044		2.120		−1.869		1.207		+0.676	

*) Ort des Hauptsterns; die jährliche Parallaxe (0.″38) ist bereits berücksichtigt

Mittlere Zeit Greenw.	265) 15 Lyncis AR.	Diff.	265) Dekl.	Diff.	266) ϑ Canis maj. AR.	Diff.	266) Dekl.	Diff.	268) ε Canis maj. AR.	Diff.	268) Dekl.	Diff.	269) ζ Geminorum AR.	Diff.	269) Dekl.	Diff.
	$6^h\,50^m$		+58° 31′		$6^h\,50^m$		−11° 56′		$6^h\,55^m$		−28° 51′		$6^h\,59^m$		+20° 40′	
1922	s		″		s		″		s		″		s		″	
Jan. 0.5	34.514	143	25.00	205	35.636	77	34.65	212	35.427	66	64.44	292	30.762	111	57.77	22
10.5	34.657	55	27.05	210	35.713	27	36.77	197	35.493	12	67.36	275	30.873	58	57.55	8
20.5	34.712	36	29.15	207	35.740	22	38.74	175	35.505	41	70.11	251	30.931	6	57.47	3
30.4	34.676	124	31.22	195	35.718	68	40.49	150	35.464	91	72.62	222	30.937	46	57.50	13
Feb. 9.4	34.552	201	33.17	176	35.650	110	41.99	124	35.373	136	74.84	187	30.891	93	57.63	20
19.4	34.351	268	34.93	147	35.540	145	43.23	96	35.237	173	76.71	150	30.798	133	57.83	24
März 1.3	34.083	319	36.40	114	35.395	171	44.19	66	35.064	201	78.21	110	30.665	162	58.07	25
11.3	33.764	351	37.54	76	35.224	187	44.85	38	34.863	220	79.31	69	30.503	183	58.32	24
21.3	33.413	365	38.30	35	35.037	194	45.23	9	34.643	227	80.00	27	30.320	192	58.56	21
31.3	33.048	361	38.65	6	34.843	191	45.32	20	34.416	225	80.27	13	30.128	190	58.77	17
Apr. 10.2	32.687	338	38.59	46	34.652	177	45.12	46	34.191	213	80.14	54	29.938	177	58.94	12
20.2	32.349	300	38.13	84	34.475	158	44.66	73	33.978	193	79.60	93	29.761	155	59.06	9
30.2	32.049	250	37.29	118	34.317	130	43.93	98	33.785	164	78.67	128	29.606	127	59.15	6
Mai 10.2	31.799	190	36.11	146	34.187	98	42.95	121	33.621	132	77.39	163	29.479	93	59.21	3
20.1	31.609	121	34.65	170	34.089	62	41.74	141	33.489	95	75.76	192	29.386	54	59.24	2
30.1	31.488	50	32.95	187	34.027	25	40.33	159	33.394	54	73.84	217	29.332	15	59.26	2
Juni 9.1	31.438	23	31.08	199	34.002	14	38.74	173	33.340	14	71.67	237	29.317	26	59.28	3
19.0	31.461	95	29.09	204	34.016	51	37.01	182	33.326	28	69.30	251	29.343	65	59.31	3
29.0	31.556	164	27.05	205	34.067	87	35.19	187	33.354	69	66.79	258	29.408	103	59.34	4
Juli 9.0	31.720	230	25.00	201	34.154	121	33.32	185	33.423	106	64.21	257	29.511	139	59.38	3
19.0	31.950	289	22.99	193	34.275	152	31.47	179	33.529	143	61.64	249	29.650	170	59.41	2
28.9	32.239	342	21.06	180	34.427	180	29.68	165	33.672	177	59.15	233	29.820	198	59.43	1
Aug. 7.9	32.581	390	19.26	164	34.607	205	28.03	146	33.849	207	56.82	208	30.018	224	59.42	5
17.9	32.971	430	17.62	146	34.812	227	26.57	120	34.056	235	54.74	176	30.242	245	59.37	11
27.8	33.401	464	16.16	124	35.039	246	25.37	89	34.291	258	52.98	136	30.487	265	59.26	19
Sept. 6.8	33.865	491	14.92	102	35.285	261	24.48	54	34.549	276	51.62	91	30.752	280	59.07	29
16.8	34.356	512	13.90	76	35.546	273	23.94	16	34.825	292	50.71	41	31.032	293	58.78	38
26.8	34.868	526	13.14	48	35.819	281	23.78	26	35.117	303	50.30	11	31.325	304	58.40	47
Okt. 6.7	35.394	531	12.66	21	36.100	285	24.04	66	35.420	307	50.41	66	31.629	309	57.93	57
16.7	35.925	529	12.45	10	36.385	285	24.70	105	35.727	306	51.07	118	31.938	311	57.36	63
26.7	36.454	517	12.55	42	36.670	279	25.75	141	36.033	298	52.25	166	32.249	307	56.73	67
Nov. 5.7	36.971	494	12.97	73	36.949	266	27.16	171	36.331	282	53.91	210	32.556	299	56.06	69
15.6	37.465	458	13.70	105	37.215	248	28.87	196	36.613	261	56.01	245	32.855	282	55.37	66
25.6	37.923	411	14.75	134	37.463	222	30.83	212	36.874	229	58.46	273	33.137	258	54.71	61
Dez. 5.6	38.334	352	16.09	161	37.685	189	32.95	222	37.103	192	61.19	289	33.395	226	54.10	51
15.5	38.686	280	17.70	184	37.874	150	35.17	223	37.295	147	64.08	297	33.621	187	53.59	40
25.5	38.966	198	19.54	201	38.024	105	37.40	216	37.442	97	67.05	295	33.808	142	53.19	27
35.5	39.164		21.55		38.129		39.56		37.539		70.00		33.950		52.92	
Mittl. Ort	31.665		36.55		33.963		23.83		33.579		54.34		29.052		69.51	
sec δ, tg δ	1.915		+1.634		1.022		−0.211		1.142		−0.551		1.069		+0.378	

Mittlere Zeit Greenw.	271) γ Canis maj.				273) δ Canis maj.				274) 63 Aurigae				277) λ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$7^h\ 0^m$		−15° 31′		$7^h\ 5^m$		−26° 16′		$7^h\ 6^m$		+39° 26′		$7^h\ 13^m$		+16° 40′	
1922	s		″		s		″		s		″		s		″	
Jan. 0.5	15.504	83	12.11	233	14.967	79	16.46	284	19.582	138	44.71	94	38.361	122	44.06	51
10.5	15.587	33	14.44	217	15.046	26	19.30	269	19.720	74	45.65	106	38.483	70	43.55	36
20.5	15.620	16	16.61	197	15.072	26	21.99	246	19.794	11	46.71	112	38.553	18	43.19	22
30.4	15.604	64	18.58	170	15.046	77	24.45	218	19.805	51	47.83	114	38.571	33	42.97	9
Feb. 9.4	15.540	107	20.28	143	14.969	121	26.63	185	19.754	108	48.97	108	38.538	80	42.88	2
19.4	15.433	143	21.71	112	14.848	160	28.48	149	19.646	158	50.05	98	38.458	120	42.90	11
März 1.4	15.290	171	22.83	80	14.688	189	29.97	111	19.488	195	51.03	83	38.338	152	43.01	16
11.3	15.119	189	23.63	49	14.499	209	31.08	72	19.293	221	51.86	64	38.186	174	43.17	20
21.3	14.930	197	24.12	17	14.290	218	31.80	33	19.072	233	52.50	41	38.012	184	43.37	21
31.3	14.733	195	24.29	14	14.072	217	32.13	7	18.839	234	52.91	19	37.828	185	43.58	22
Apr. 10.2	14.538	184	24.15	45	13.855	207	32.06	45	18.605	220	53.10	6	37.643	175	43.80	21
20.2	14.354	165	23.70	74	13.648	188	31.61	82	18.385	196	53.04	27	37.468	157	44.01	21
30.2	14.189	139	22.96	101	13.460	162	30.79	117	18.189	164	52.77	48	37.311	131	44.22	20
Mai 10.2	14.050	108	21.95	127	13.298	131	29.62	150	18.025	123	52.29	66	37.180	99	44.42	21
20.1	13.942	74	20.68	149	13.167	96	28.12	179	17.902	78	51.63	81	37.081	63	44.63	21
30.1	13.868	36	19.19	169	13.071	57	26.33	203	17.824	31	50.82	91	37.018	26	44.84	22
Juni 9.1	13.832	2	17.50	185	13.014	18	24.30	224	17.793	18	49.91	100	36.992	12	45.06	23
19.1	13.834	39	15.65	195	12.996	22	22.06	238	17.811	66	48.91	106	37.004	50	45.29	24
29.0	13.873	76	13.70	201	13.018	62	19.68	245	17.877	112	47.85	107	37.054	87	45.53	23
Juli 9.0	13.949	110	11.69	201	13.080	98	17.23	246	17.989	154	46.78	108	37.141	120	45.76	23
19.0	14.059	142	9.68	193	13.178	134	14.77	239	18.143	194	45.70	106	37.261	152	45.99	20
28.9	14.201	172	7.75	181	13.312	167	12.38	224	18.337	230	44.64	103	37.413	181	46.19	14
Aug. 7.9	14.373	198	5.94	160	13.479	197	10.14	201	18.567	262	43.61	99	37.594	206	46.33	8
17.9	14.571	221	4.34	133	13.676	224	8.13	171	18.829	289	42.62	93	37.800	229	46.41	2
27.9	14.792	242	3.01	102	13.900	248	6.42	133	19.118	313	41.69	88	38.029	250	46.39	12
Sept. 6.8	15.034	259	1.99	63	14.148	268	5.09	90	19.431	334	40.81	81	38.279	266	46.27	26
16.8	15.293	273	1.36	23	14.416	284	4.19	43	19.765	350	40.00	73	38.545	281	46.01	39
26.8	15.566	283	1.13	20	14.700	296	3.76	9	20.115	362	39.27	64	38.826	294	45.62	53
Okt. 6.8	15.849	289	1.33	65	14.996	303	3.85	60	20.477	371	38.63	54	39.120	301	45.09	66
16.7	16.138	289	1.98	106	15.299	303	4.45	111	20.848	374	38.09	41	39.421	305	44.43	78
26.7	16.427	285	3.04	146	15.602	298	5.56	159	21.222	370	37.68	26	39.726	305	43.65	86
Nov. 5.7	16.712	274	4.50	180	15.900	285	7.15	201	21.592	360	37.42	9	40.031	298	42.79	90
15.6	16.986	255	6.30	207	16.185	265	9.16	236	21.952	341	37.33	10	40.329	284	41.89	92
25.6	17.241	229	8.37	227	16.450	237	11.52	263	22.293	312	37.43	30	40.613	262	40.97	88
Dez. 5.6	17.470	197	10.64	238	16.687	201	14.15	281	22.605	276	37.73	50	40.875	233	40.09	81
15.6	17.667	158	13.02	242	16.888	158	16.96	288	22.881	228	38.23	70	41.108	195	39.28	70
25.5	17.825	112	15.44	238	17.046	110	19.84	287	23.109	175	38.93	87	41.303	152	38.58	56
35.5	17.937		17.82		17.156		22.71		23.284		39.80		41.455		38.02	
Mittl. Ort	13.805		1.637		13.150		6.67		17.608		57.17		36.704		55.99	
sec δ, tg δ	1.038		−0.278		1.115		−0.494		1.295		+0.823		1.044		+0.300	

Mittlere Zeit Greenw.	278) π Argus				279) δ Geminorum			
	AR.		Dekl.		AR.		Dekl.	
1922	$7^h\ 14^m$		−36° 57′		$7^h\ 15^m$		+22° 7′	
	s		″		s		″	
Jan. 0.5	25.259	79	32.84	326	29.692	129	25.83	17
10.5	25.338	21	36.10	313	29.821	75	25.66	2
20.5	25.359	—37	39.23	290	29.896	22	25.64	—11
30.4	25.322	92	42.13	261	29.918	—32	25.75	22
Feb. 9.4	25.230	142	44.74	226	29.886	80	25.97	29
19.4	25.088	184	47.00	187	29.806	123	26.26	34
März 1.4	24.904	217	48.87	144	29.683	155	26.60	35
11.3	24.687	240	50.31	100	29.528	178	26.95	33
21.3	24.447	251	51.31	54	29.350	191	27.28	29
31.3	24.196	253	51.85	9	29.159	191	27.57	24
Apr. 10.2	23.943	243	51.94	—36	28.968	181	27.81	18
20.2	23.700	226	51.58	80	28.787	162	27.99	12
30.2	23.474	201	50.78	122	28.625	136	28.11	6
Mai 10.2	23.273	168	49.56	161	28.489	104	28.17	1
20.1	23.105	131	47.95	195	28.385	67	28.18	—2
30.1	22.974	91	46.00	226	28.318	28	28.16	4
Juni 9.1	22.883	49	43.74	250	28.290	—12	28.12	6
19.1	22.834	5	41.24	268	28.302	51	28.06	8
29.0	22.829	—38	38.56	278	28.353	88	27.98	8
Juli 9.0	22.867	82	35.78	282	28.441	124	27.90	10
19.0	22.949	122	32.96	276	28.565	156	27.80	13
28.9	23.071	161	30.20	261	28.721	186	27.67	16
Aug. 7.9	23.232	197	27.59	238	28.907	213	27.51	20
17.9	23.429	230	25.21	205	29.120	236	27.31	27
27.9	23.659	260	23.16	166	29.356	257	27.04	34
Sept. 6.8	23.919	285	21.50	118	29.613	275	26.70	42
16.8	24.204	306	20.32	65	29.888	291	26.28	51
26.8	24.510	320	19.67	9	30.179	303	25.77	60
Okt. 6.8	24.830	330	19.58	—49	30.482	311	25.17	67
16.7	25.160	331	20.07	107	30.793	317	24.50	72
26.7	25.491	326	21.14	162	31.110	315	23.78	75
Nov. 5.7	25.817	310	22.76	212	31.425	309	23.03	75
15.6	26.127	288	24.88	254	31.734	295	22.28	70
25.6	26.415	256	27.42	288	32.029	273	21.58	63
Dez. 5.6	26.671	215	30.30	311	32.302	242	20.95	51
15.6	26.886	167	33.41	324	32.544	205	20.44	39
25.5	27.053	114	36.65	327	32.749	159	20.05	23
35.5	27.167		39.92		32.908		19.82	
Mittl. Ort	23.232		24.13		28.001		38.07	
sec δ, tg δ	1.251		−0.752		1.079		+0.407	

Mittlere Zeit Greenw.	280) 19 Lyncis sq.				281) δ Volantis			
	AR.		Dekl.		AR.		Dekl.	
1922	$7^h\ 16^m$		+55° 25′		$7^h\ 16^m$		−67° 48′	
	s		″		s		″	
Jan. 0.5	33.083	181	34.62	182	56.59	3	59.17	376
10.5	33.264	99	36.44	194	56.62	—9	62.93	367
20.5	33.363	13	38.38	198	56.53	20	66.60	347
30.4	33.376	—70	40.36	194	56.33	30	70.07	319
Feb. 9.4	33.306	147	42.30	181	56.03	40	73.26	283
19.4	33.159	213	44.11	160	55.63	47	76.09	241
März 1.4	32.946	267	45.71	133	55.16	53	78.50	193
11.3	32.679	306	47.04	100	54.63	58	80.43	144
21.3	32.373	325	48.04	64	54.05	59	81.87	90
31.3	32.048	330	48.68	25	53.46	61	82.77	37
Apr. 10.2	31.718	316	48.93	—14	52.85	60	83.14	—17
20.2	31.402	289	48.79	50	52.25	57	82.97	69
30.2	31.113	248	48.29	85	51.68	53	82.28	121
Mai 10.2	30.865	198	47.44	116	51.15	47	81.07	168
20.1	30.667	140	46.28	142	50.68	41	79.39	212
30.1	30.527	78	44.86	163	50.27	34	77.27	250
Juni 9.1	30.449	14	43.23	179	49.93	24	74.77	282
19.1	30.435	—51	41.44	189	49.69	16	71.95	306
29.0	30.486	114	39.55	195	49.53	7	68.89	323
Juli 9.0	30.600	174	37.60	197	49.46	—3	65.66	330
19.0	30.774	231	35.63	193	49.49	12	62.36	328
28.9	31.005	281	33.70	186	49.61	22	59.08	314
Aug. 7.9	31.286	327	31.84	176	49.83	31	55.94	292
17.9	31.613	369	30.08	163	50.14	39	53.02	258
27.9	31.982	404	28.45	147	50.53	47	50.44	215
Sept. 6.8	32.386	434	26.98	129	51.00	52	48.29	164
16.8	32.820	459	25.69	108	51.52	58	46.65	105
26.8	33.279	478	24.61	84	52.10	61	45.60	42
Okt. 6.8	33.757	491	23.77	58	52.71	62	45.18	—24
16.7	34.248	496	23.19	31	53.33	62	45.42	91
26.7	34.744	492	22.88	1	53.95	59	46.33	155
Nov. 5.7	35.236	478	22.87	—31	54.54	55	47.88	215
15.6	35.714	452	23.18	62	55.09	49	50.03	267
25.6	36.165	415	23.80	95	55.58	41	52.70	311
Dez. 5.6	36.581	366	24.75	125	55.99	31	55.81	343
15.6	36.947	303	26.00	151	56.30	21	59.24	364
25.5	37.250	231	27.51	174	56.51	10	62.88	374
35.5	37.481		29.25		56.61		66.62	
Mittl. Ort	30.576		47.99		52.53		52.35	
sec δ, tg δ	1.762		+1.451		2.648		−2.452	

Mittlere Zeit Greenw.	282) ι Geminorum AR.		Dekl.		284) Gr. 1308 AR.		Dekl.		285) β Canis min. AR.		Dekl.		286) ρ Geminorum AR.		Dekl.	
1922	7h 20m		+27° 56′		7h 22m		+68° 37′		7h 22m		+8° 26′		7h 24m		+31° 56′	
	s		″		s		″		s		″		s		″	
Jan. 0.5	54.830	140	63.14	18	50.36	26	23.42	244	56.930	124	39.79	104	7.611	149	14.59	43
10.5	54.970	85	63.32	33	50.62	13	25.86	256	57.054	75	38.75	89	7.760	91	15.02	58
20.5	55.055	28	63.65	45	50.75	0	28.42	257	57.129	23	37.86	73	7.851	33	15.60	70
30.4	55.083	28	64.10	54	50.75	12	30.99	250	57.152	26	37.13	55	7.884	26	16.30	77
Feb. 9.4	55.055	80	64.64	59	50.63	25	33.49	231	57.126	72	36.58	39	7.858	79	17.07	81
19.4	54.975	124	65.23	60	50.38	34	35.80	203	57.054	112	36.19	24	7.779	127	17.88	78
März 1.4	54.851	160	65.83	56	50.04	43	37.83	167	56.942	143	35.95	10	7.652	165	18.66	72
11.3	54.691	185	66.39	49	49.61	49	39.50	125	56.799	166	35.85	1	7.487	190	19.38	61
21.3	54.506	198	66.88	40	49.12	52	40.75	78	56.633	178	35.86	11	7.297	206	19.99	47
31.3	54.308	201	67.28	28	48.60	54	41.53	30	56.455	179	35.97	20	7.091	209	20.46	32
Apr. 10.3	54.107	192	67.56	16	48.06	52	41.83	20	56.276	171	36.17	28	6.882	200	20.78	16
20.2	53.915	173	67.72	3	47.54	48	41.63	68	56.105	155	36.45	35	6.682	182	20.94	1
30.2	53.742	146	67.75	7	47.06	43	40.95	112	55.950	132	36.80	42	6.500	154	20.93	16
Mai 10.2	53.596	113	67.68	18	46.63	35	39.83	151	55.818	102	37.22	49	6.346	120	20.77	29
20.1	53.483	75	67.50	26	46.28	27	38.32	185	55.716	70	37.71	55	6.226	82	20.48	41
30.1	53.408	35	67.24	32	46.01	18	36.47	213	55.646	34	38.26	61	6.144	40	20.07	50
Juni 9.1	53.373	6	66.92	38	45.83	8	34.34	234	55.612	1	38.87	65	6.104	3	19.57	58
19.1	53.379	47	66.54	41	45.75	2	32.00	248	55.613	38	39.52	68	6.107	45	18.99	64
29.0	53.426	86	66.13	44	45.77	12	29.52	256	55.651	73	40.20	69	6.152	86	18.35	67
Juli 9.0	53.512	124	65.69	47	45.89	22	26.96	258	55.724	105	40.89	68	6.238	125	17.68	70
19.0	53.636	158	65.22	48	46.11	30	24.38	254	55.829	136	41.57	64	6.363	160	16.98	72
29.0	53.794	189	64.74	51	46.41	39	21.84	244	55.965	164	42.21	56	6.523	194	16.26	73
Aug. 7.9	53.983	218	64.23	53	46.80	47	19.40	229	56.129	190	42.77	46	6.717	224	15.53	74
17.9	54.201	243	63.70	56	47.27	54	17.11	211	56.319	213	43.23	32	6.941	250	14.79	75
27.9	54.444	266	63.14	59	47.81	59	15.00	188	56.532	234	43.55	15	7.191	275	14.04	76
Sept. 6.8	54.710	285	62.55	64	48.40	65	13.12	160	56.766	252	43.70	5	7.466	295	13.28	77
16.8	54.995	302	61.91	67	49.05	69	11.52	131	57.018	268	43.65	26	7.761	312	12.51	77
26.8	55.297	316	61.24	69	49.74	72	10.21	97	57.286	280	43.39	47	8.073	328	11.74	76
Okt. 6.8	55.613	325	60.55	71	50.46	73	9.24	61	57.566	290	42.92	70	8.401	338	10.98	73
16.7	55.938	332	59.84	70	51.19	75	8.63	22	57.856	296	42.22	89	8.739	345	10.25	68
26.7	56.270	331	59.14	67	51.94	74	8.41	17	58.152	296	41.33	107	9.084	345	9.57	60
Nov. 5.7	56.601	326	58.47	61	52.68	71	8.58	60	58.448	291	40.26	119	9.429	339	8.97	50
15.7	56.927	311	57.86	50	53.39	68	9.18	101	58.739	279	39.07	127	9.768	326	8.47	37
25.6	57.238	289	57.36	39	54.07	61	10.19	141	59.018	258	37.80	131	10.094	302	8.10	20
Dez. 5.6	57.527	258	56.97	23	54.68	54	11.60	177	59.276	230	36.49	129	10.396	271	7.90	3
15.6	57.785	219	56.74	6	55.22	44	13.37	210	59.506	195	35.20	121	10.667	231	7.87	16
25.5	58.004	172	56.68	10	55.66	33	15.47	235	59.701	152	33.99	111	10.898	182	8.03	34
35.5	58.176		56.78		55.99		17.82		59.853		32.88		11.080		8.37	
Mittl. Ort	53.094		75.82		46.71		37.35		55.319		51.37		5.833		27.60	
sec δ, tg δ	1.132		+0.531		2.744		+2.555		1.011		+0.148		1.178		+0.623	

Mittlere Zeit Greenw.	287) α Geminorum[1] AR.	Δ	Dekl.	Δ	289) 25 Monocerotis AR.	Δ	Dekl.	Δ	291) α Canis min.[2] AR.	Δ	Dekl.	Δ	292) 24 Lyncis AR.	Δ	Dekl.	Δ
1922	$7^h\,29^m$		$+32°\,3'$		$7^h\,33^m$		$-3°\,56'$		$7^h\,35^m$		$+5°\,25'$		$7^h\,36^m$		$+58°\,53'$	
	s		″		s		″		s		″		s		″	
Jan. 0.5	39.215	154	27.29	41	25.652	124	19.49	181	14.757	129	22.59	129	27.577	228	25.50	192
10.5	39.369	97	27.70	56	25.776	76	21.30	165	14.886	79	21.30	112	27.805	138	27.42	209
20.5	39.466	38	28.26	70	25.852	26	22.95	147	14.965	29	20.18	94	27.943	45	29.51	216
30.5	39.504	$\overline{20}$	28.96	78	25.878	$\overline{24}$	24.42	125	14.994	$\overline{20}$	19.24	75	27.988	$\overline{47}$	31.67	216
Feb. 9.4	39.484	75	29.74	82	25.854	69	25.67	103	14.974	67	18.49	57	27.941	135	33.83	205
19.4	39.409	123	30.56	80	25.785	108	26.70	79	14.907	107	17.92	38	27.806	211	35.88	187
März 1.4	39.286	162	31.36	74	25.677	141	27.49	56	14.800	139	17.54	22	27.595	275	37.75	159
11.4	39.124	189	32.10	64	25.536	163	28.05	33	14.661	162	17.32	8	27.320	322	39.34	126
21.3	38.935	205	32.74	51	25.373	176	28.38	11	14.499	176	17.24	$\overline{6}$	26.998	352	40.60	89
31.3	38.730	209	33.25	35	25.197	180	28.49	$\overline{9}$	14.323	178	17.30	17	26.646	363	41.49	47
Apr. 10.3	38.521	202	33.60	18	25.017	174	28.40	29	14.145	172	17.47	29	26.283	355	41.96	6
20.2	38.319	183	33.78	2	24.843	160	28.11	49	13.973	158	17.76	38	25.928	333	42.02	$\overline{36}$
30.2	38.136	158	33.80	$\overline{13}$	24.683	138	27.62	66	13.815	134	18.14	47	25.595	294	41.66	74
Mai 10.2	37.978	124	33.67	28	24.545	112	26.96	83	13.681	108	18.61	56	25.301	246	40.92	110
20.2	37.854	87	33.39	40	24.433	81	26.13	98	13.573	76	19.17	63	25.055	187	39.82	141
30.1	37.767	46	32.99	51	24.352	49	25.15	112	13.497	42	19.80	71	24.868	123	38.41	167
Juni 9.1	37.721	4	32.48	59	24.303	14	24.03	122	13.455	7	20.51	75	24.745	55	36.74	189
19.1	37.717	$\overline{39}$	31.89	65	24.289	$\overline{21}$	22.81	130	13.448	$\overline{28}$	21.26	79	24.690	$\overline{14}$	34.85	203
29.0	37.756	79	31.24	69	24.310	54	21.51	134	13.476	62	22.05	80	24.704	82	32.82	214
Juli 9.0	37.835	118	30.55	73	24.364	88	20.17	134	13.538	95	22.85	79	24.786	149	30.68	219
19.0	37.953	155	29.82	75	24.452	118	18.83	130	13.633	125	23.64	74	24.935	211	28.49	219
29.0	38.108	187	29.07	77	24.570	146	17.53	120	13.758	153	24.38	65	25.146	269	26.30	215
Aug. 7.9	38.295	218	28.30	79	24.716	173	16.33	106	13.911	180	25.03	54	25.415	323	24.15	206
17.9	38.513	245	27.51	80	24.889	198	15.27	86	14.091	203	25.57	38	25.738	372	22.09	195
27.9	38.758	270	26.71	82	25.087	220	14.41	62	14.294	225	25.95	19	26.110	414	20.14	178
Sept. 6.9	39.028	291	25.89	82	25.307	239	13.79	34	14.519	244	26.14	$\overline{3}$	26.524	453	18.36	160
16.8	39.319	310	25.07	83	25.546	258	13.45	2	14.763	260	26.11	26	26.977	484	16.76	139
26.8	39.629	325	24.24	81	25.804	272	13.43	$\overline{31}$	15.023	275	25.85	51	27.461	511	15.37	113
Okt. 6.8	39.954	338	23.43	79	26.076	283	13.74	64	15.298	286	25.34	76	27.972	530	14.24	85
16.8	40.292	345	22.64	74	26.359	290	14.38	97	15.584	293	24.58	99	28.502	540	13.39	54
26.7	40.637	346	21.90	66	26.649	292	15.35	127	15.877	294	23.59	118	29.042	541	12.85	21
Nov. 5.7	40.983	341	21.24	56	26.941	287	16.62	151	16.171	290	22.41	135	29.583	531	12.64	$\overline{14}$
15.7	41.324	328	20.68	41	27.228	276	18.13	172	16.461	279	21.06	146	30.114	508	12.78	51
25.6	41.652	306	20.27	25	27.504	256	19.85	185	16.740	260	19.60	151	30.622	472	13.29	86
Dez. 5.6	41.958	276	20.02	7	27.760	229	21.70	191	17.000	233	18.09	151	31.094	421	14.15	122
15.6	42.234	235	19.95	$\overline{13}$	27.989	194	23.61	192	17.233	198	16.58	145	31.515	357	15.37	154
25.6	42.469	188	20.08	32	28.183	153	25.53	185	17.431	157	15.13	134	31.872	282	16.91	182
35.5	42.657		20.40		28.336		27.38		17.588		13.79		32.154		18.73	
Mittl. Ort	37.453		40.51		24.039		8.95		13.163		34.05		24.999		40.23	
sec δ, tg δ	1.180		+0.626		1.002		—0.069		1.004		+0.095		1.936		+1.657	

[1]) AR. der Mitte; Dekl. des folgenden helleren Sterns

[2]) Ort des hellen Sterns; die jährliche Parallaxe (0.″33) ist bereits berücksichtigt

Mittlere Zeit Greenw.	294) κ Geminorum AR.		294) κ Geminorum Dekl.		295) β Geminorum AR.		295) β Geminorum Dekl.	
1922	7h 39m		+24° 34′		7h 40m		+28° 12′	
Jan. 0.5	46.136	156	57.46	10	34.427	160	43.53	13
10.5	46.292	103	57.36	8	34.587	105	43.66	31
20.5	46.395	47	57.44	24	34.692	48	43.97	46
30.5	46.442	8	57.68	36	34.740	9	44.43	57
Feb. 9.4	46.434	60	58.04	46	34.731	62	45.00	65
19.4	46.374	105	58.50	51	34.669	109	45.65	67
März 1.4	46.269	143	59.01	52	34.560	148	46.32	66
11.4	46.126	170	59.53	49	34.412	177	46.98	60
21.3	45.956	187	60.02	44	34.235	194	47.58	51
31.3	45.769	192	60.46	37	34.041	199	48.09	40
Apr. 10.3	45.577	186	60.83	28	33.842	195	48.49	27
20.2	45.391	171	61.11	18	33.647	179	48.76	14
30.2	45.220	149	61.29	9	33.468	155	48.90	1
Mai 10.2	45.071	119	61.38	1	33.313	126	48.91	10
20.2	44.952	85	61.39	7	33.187	91	48.81	21
30.1	44.867	49	61.32	13	33.096	52	48.60	29
Juni 9.1	44.818	10	61.19	19	33.044	13	48.31	38
19.1	44.808	28	61.00	24	33.031	26	47.93	43
29.1	44.836	65	60.76	27	33.057	65	47.50	49
Juli 9.0	44.901	102	60.49	31	33.122	102	47.01	53
19.0	45.003	135	60.18	36	33.224	137	46.48	57
29.0	45.138	166	59.82	40	33.361	169	45.91	61
Aug. 7.9	45.304	194	59.42	45	33.530	198	45.30	65
17.9	45.498	221	58.97	52	33.728	226	44.65	69
27.9	45.719	244	58.45	59	33.954	251	43.96	74
Sept. 6.9	45.963	266	57.86	65	34.205	272	43.22	79
16.8	46.229	285	57.21	74	34.477	292	42.43	82
26.8	46.514	302	56.47	79	34.769	309	41.61	86
Okt. 6.8	46.816	314	55.68	85	35.078	322	40.75	87
16.8	47.130	323	54.83	88	35.400	332	39.88	87
26.7	47.453	327	53.95	89	35.732	335	39.01	83
Nov. 5.7	47.780	323	53.06	85	36.067	333	38.18	75
15.7	48.103	314	52.21	77	36.400	321	37.43	65
25.6	48.417	295	51.44	67	36.721	303	36.78	52
Dez. 5.6	48.712	267	50.77	53	37.024	274	36.26	34
15.6	48.979	231	50.24	36	37.298	237	35.92	16
25.6	49.210	187	49.88	18	37.535	192	35.76	4
35.5	49.397		49.70		37.727		35.80	
Mittl. Ort	44.488		70.49		32.748		56.87	
sec δ, tg δ	1.100		+0.458		1.135		+0.537	

Mittlere Zeit Greenw.	296) π Geminorum AR.		296) π Geminorum Dekl.		297) ζ Volantis AR.		297) ζ Volantis Dekl.	
1922	7h 42m		+33° 36′		7h 42m		−72° 25′	
Jan. 0.5	30.609	171	16.38	46	52.33	9	12.63	378
10.5	30.780	113	16.84	63	52.42	6	16.41	376
20.5	30.893	54	17.47	79	52.36	19	20.17	363
30.5	30.947	7	18.26	88	52.17	32	23.80	341
Feb. 9.4	30.940	64	19.14	93	51.85	44	27.21	311
19.4	30.876	113	20.07	92	51.41	54	30.32	274
März 1.4	30.763	155	20.99	87	50.87	63	33.06	231
11.4	30.608	185	21.86	76	50.24	69	35.37	183
21.3	30.423	204	22.62	61	49.55	73	37.20	133
31.3	30.219	211	23.23	45	48.82	76	38.53	81
Apr. 10.3	30.008	206	23.68	27	48.06	75	39.34	27
20.2	29.802	190	23.95	8	47.31	74	39.61	27
30.2	29.612	166	24.03	10	46.57	70	39.34	79
Mai 10.2	29.446	135	23.93	26	45.87	65	38.55	129
20.2	29.311	98	23.67	41	45.22	58	37.26	176
30.1	29.213	58	23.26	54	44.64	49	35.50	220
Juni 9.1	29.155	17	22.72	65	44.15	40	33.30	256
19.1	29.138	25	22.07	73	43.75	30	30.74	287
29.1	29.163	67	21.34	79	43.45	18	27.87	309
Juli 9.0	29.230	105	20.55	86	43.27	7	24.78	323
19.0	29.335	143	19.69	88	43.20	6	21.55	327
29.0	29.478	177	18.81	92	43.26	18	18.28	320
Aug. 7.9	29.655	208	17.89	94	43.44	29	15.08	305
17.9	29.863	238	16.95	96	43.73	41	12.03	277
27.9	30.101	264	15.99	97	44.14	51	9.26	241
Sept. 6.9	30.365	288	15.02	97	44.65	60	6.85	194
16.8	30.653	308	14.05	97	45.25	67	4.91	139
26.8	30.961	326	13.08	95	45.92	72	3.52	79
Okt. 6.8	31.287	341	12.13	91	46.64	76	2.73	14
16.8	31.628	350	11.22	85	47.40	77	2.59	53
26.7	31.978	355	10.37	75	48.17	75	3.12	119
Nov. 5.7	32.333	351	9.62	63	48.92	71	4.31	181
15.7	32.684	341	8.99	47	49.63	64	6.12	239
25.6	33.025	320	8.52	28	50.27	55	8.51	287
Dez. 5.6	33.345	292	8.24	8	50.82	44	11.38	326
15.6	33.637	252	8.16	15	51.26	32	14.64	355
25.6	33.889	204	8.31	35	51.58	17	18.19	370
35.5	34.093		8.66		51.75		21.89	
Mittl. Ort	28.871		30.18		47.20		8.37	
sec δ, tg δ	1.201		+0.664		3.311		−3.156	

Mittlere Zeit Greenw.	300) Gr. 1374 AR.		300) Gr. 1374 Dekl.		303) χ Argus AR.		303) χ Argus Dekl.		305) χ Geminorum AR.		305) χ Geminorum Dekl.		306) ζ Argus AR.		306) ζ Argus Dekl.	
1922	7h 50m		+74° 7′		7h 54m		−52° 46′		7h 58m		+28° 0′		8h 0m		−39° 46′	
	s		″		s		″		s		″		s		″	
Jan. 0.6	57.71		26.94		50.452		25.57		45.473		37.22		52.616		63.41	
10.5	58.11	40	29.48	254	50.578	126	29.26	369	45.653	180	37.26	4	52.753	137	66.82	341
20.5	58.36	25	32.21	273	50.630	52	32.92	366	45.779	126	37.51	25	52.829	76	70.18	336
30.5	58.43	7	35.02	281	50.606	24	36.44	352	45.848	69	37.93	42	52.844	15	73.39	321
Feb. 9.4	58.34	9	37.80	278	50.511	95	39.73	329	45.860	12	38.50	57	52.800	44	76.36	297
19.4	58.08	26	40.44	264	50.349	162	42.72	299	45.817	43	39.17	67	52.700	100	79.04	268
März 1.4	57.68	40	42.84	240	50.129	220	45.34	262	45.725	92	39.89	72	52.550	150	81.37	233
11.4	57.16	52	44.89	205	49.861	268	47.53	219	45.592	133	40.61	72	52.360	190	83.31	194
21.3	56.54	62	46.53	164	49.557	304	49.26	173	45.427	165	41.29	68	52.139	221	84.82	151
31.3	55.86	68	47.68	115	49.228	329	50.51	125	45.243	184	41.90	61	51.897	242	85.87	105
Apr. 10.3	55.14	72	48.32	64	48.886	342	51.25	74	45.049	194	42.41	51	51.645	252	86.48	61
20.2	54.43	71	48.44	12	48.545	341	51.47	22	44.857	192	42.79	38	51.393	252	86.62	14
30.2	53.73	70	48.02	42	48.214	331	51.18	29	44.677	180	43.03	24	51.150	243	86.30	32
Mai 10.2	53.10	63	47.11	91	47.903	311	50.40	78	44.517	160	43.14	11	50.924	226	85.54	76
20.2	52.55	55	45.74	137	47.622	281	49.13	127	44.384	133	43.13	1	50.723	201	84.35	119
30.1	52.10	45	43.95	179	47.377	245	47.42	171	44.282	102	42.99	14	50.552	171	82.78	157
Juni 9.1	51.76	34	41.82	213	47.174	203	45.31	211	44.217	65	42.74	25	50.415	137	80.84	194
19.1	51.53	23	39.40	242	47.020	154	42.86	245	44.189	28	42.41	33	50.315	100	78.60	224
29.1	51.44	9	36.77	263	46.916	104	40.11	275	44.199	10	41.99	42	50.256	59	76.12	248
Juli 9.0	51.48	4	34.00	277	46.866	50	37.17	294	44.246	47	41.49	50	50.239	17	73.45	267
19.0	51.64	16	31.14	286	46.872	6	34.09	308	44.330	84	40.94	55	50.264	25	70.68	277
29.0	51.93	29	28.28	286	46.934	62	30.98	311	44.449	119	40.32	62	50.332	68	67.89	279
Aug. 8.0	52.33	40	25.46	282	47.053	119	27.94	304	44.600	151	39.65	67	50.441	109	65.17	272
17.9	52.85	52	22.76	270	47.225	172	25.06	288	44.781	181	38.92	73	50.591	150	62.61	256
27.9	53.47	62	20.22	254	47.449	224	22.44	262	44.991	210	38.14	78	50.780	189	60.31	230
Sept. 6.9	54.17	70	17.90	232	47.722	273	20.19	225	45.227	236	37.29	85	51.006	226	58.34	197
16.8	54.96	79	15.83	207	48.040	318	18.39	180	45.487	260	36.38	91	51.266	260	56.81	153
26.8	55.82	86	14.08	175	48.395	355	17.12	127	45.770	283	35.42	96	51.555	289	55.76	105
Okt. 6.8	56.72	90	12.68	140	48.781	386	16.44	68	46.072	302	34.43	99	51.870	315	55.26	50
16.8	57.67	95	11.66	102	49.189	408	16.39	5	46.390	318	33.41	102	52.204	334	55.34	8
26.7	58.64	97	11.06	60	49.608	419	16.98	59	46.721	331	32.39	102	52.550	346	56.02	68
Nov. 5.7	59.62	98	10.91	15	50.027	419	18.22	124	47.059	338	31.41	98	52.900	350	57.29	127
15.7	60.57	95	11.22	31	50.434	407	20.05	183	47.397	338	30.50	91	53.244	344	59.10	181
25.7	61.49	92	12.01	79	50.816	382	22.44	239	47.728	331	29.69	81	53.574	330	61.40	230
Dez. 5.6	62.33	84	13.25	124	51.161	345	25.29	285	48.043	315	29.04	65	53.877	303	64.11	271
15.6	63.09	76	14.94	169	51.457	296	28.51	322	48.332	289	28.56	48	54.145	268	67.15	304
25.6	63.73	64	17.01	207	51.694	237	31.99	348	48.587	255	28.28	28	54.368	223	70.40	325
35.5	64.23	50	19.42	241	51.863	169	35.61	362	48.797	210	28.22	6	54.539	171	73.76	336
Mittl. Ort	53.37		42.92		47.790		20.93		43.860		51.04		50.504		57.87	
sec δ, tg δ	3.657		+3.517		1.653		−1.316		1.133		+0.532		1.301		−0.833	

Mittlere Zeit Greenw.	307) 27 Lyncis				308) ι Navis			
	AR.		Dekl.		AR.		Dekl.	
1922	8h 2m		+51° 43′		8h 4m		−24° 4′	
	s		″		s		″	
Jan. 0.6	37.939	240	42.57	141	15.070	144	50.45	286
10.5	38.179	166	43.98	165	15.214	93	53.31	277
20.5	38.345	87	45.63	180	15.307	39	56.08	260
30.5	38.432	8	47.43	187	15.346	14	58.68	237
Feb. 9.5	38.440	68	49.30	187	15.332	63	61.05	210
19.4	38.372	138	51.17	178	15.269	107	63.15	178
März 1.4	38.234	196	52.95	161	15.162	143	64.93	143
11.4	38.038	242	54.56	137	15.019	172	66.36	109
21.3	37.796	273	55.93	108	14.847	190	67.45	71
31.3	37.523	288	57.01	75	14.657	199	68.16	35
Apr. 10.3	37.235	289	57.76	39	14.458	199	68.51	2
20.3	36.946	276	58.15	3	14.259	190	68.49	38
30.2	36.670	251	58.18	33	14.069	173	68.11	72
Mai 10.2	36.419	214	57.85	66	13.896	152	67.39	104
20.2	36.205	171	57.19	96	13.744	125	66.35	135
30.2	36.034	122	56.23	123	13.619	94	65.00	162
Juni 9.1	35.912	69	55.00	145	13.525	62	63.38	184
19.1	35.843	13	53.55	164	13.463	28	61.54	203
29.1	35.830	40	51.91	178	13.435	7	59.51	215
Juli 9.0	35.870	94	50.13	187	13.442	42	57.36	222
19.0	35.964	146	48.26	194	13.484	76	55.14	221
29.0	36.110	194	46.32	196	13.560	110	52.93	213
Aug. 8.0	36.304	240	44.36	195	13.670	141	50.80	198
17.9	36.544	282	42.41	190	13.811	173	48.82	175
27.9	36.826	321	40.51	182	13.984	202	47.07	143
Sept. 6.9	37.147	357	38.69	171	14.186	230	45.64	107
16.9	37.504	388	36.98	158	14.416	253	44.57	65
26.8	37.892	415	35.40	140	14.669	276	43.92	17
Okt. 6.8	38.307	438	34.00	120	14.945	292	43.75	31
16.8	38.745	454	32.80	96	15.237	305	44.06	82
26.7	39.199	463	31.84	69	15.542	311	44.88	129
Nov. 5.7	39.662	462	31.15	39	15.853	309	46.17	174
15.7	40.124	450	30.76	5	16.162	299	47.91	213
25.7	40.574	427	30.71	28	16.461	281	50.04	243
Dez. 5.6	41.001	392	30.99	63	16.742	253	52.47	267
15.6	41.393	343	31.62	97	16.995	217	55.14	280
25.6	41.736	283	32.59	127	17.212	174	57.94	285
35.6	42.019		33.86		17.386		60.79	
Mittl. Ort	35.893		58.49		13.306		43.17	
sec δ, tg δ	1.615		+1.268		1.095		−0.447	

Mittlere Zeit Greenw.	309) γ Argus				311) 20 Navis			
	AR.		Dekl.		AR.		Dekl.	
1922	8h 7m		−47° 6′		8h 9m		−15° 33′	
	s		″		s		″	
Jan. 0.6	10.065	145	26.44	359	46.525	154	16.81	249
10.5	10.210	79	30.03	357	46.679	104	19.30	238
20.5	10.289	10	33.60	344	46.783	53	21.68	220
30.5	10.299	55	37.04	323	46.836	2	23.88	198
Feb. 9.5	10.244	117	40.27	294	46.838	47	25.86	172
19.4	10.127	172	43.21	259	46.791	89	27.58	143
März 1.4	9.955	217	45.80	219	46.702	127	29.01	114
11.4	9.738	253	47.99	175	46.575	154	30.15	83
21.3	9.485	276	49.74	128	46.421	172	30.98	51
31.3	9.209	290	51.02	80	46.249	181	31.49	22
Apr. 10.3	8.919	293	51.82	31	46.068	182	31.71	9
20.3	8.626	284	52.13	19	45.886	174	31.62	37
30.2	8.342	268	51.94	66	45.712	159	31.25	65
Mai 10.2	8.074	244	51.28	113	45.553	137	30.60	92
20.2	7.830	212	50.15	156	45.416	112	29.68	115
30.2	7.618	176	48.59	195	45.304	83	28.53	136
Juni 9.1	7.442	134	46.64	230	45.221	52	27.17	155
19.1	7.308	91	44.34	257	45.169	20	25.62	169
29.1	7.217	45	41.77	280	45.149	13	23.93	178
Juli 9.0	7.172	4	38.97	292	45.162	45	22.15	183
19.0	7.176	52	36.05	297	45.207	76	20.32	181
29.0	7.228	100	33.08	292	45.283	108	18.51	172
Aug. 8.0	7.328	148	30.16	278	45.391	138	16.79	159
17.9	7.476	195	27.38	253	45.529	166	15.20	137
27.9	7.671	237	24.85	219	45.695	193	13.83	111
Sept. 6.9	7.908	278	22.66	177	45.888	219	12.72	77
16.9	8.186	314	20.89	126	46.107	243	11.95	39
26.8	8.500	344	19.63	70	46.350	264	11.56	1
Okt. 6.8	8.844	366	18.93	9	46.614	281	11.57	45
16.8	9.210	381	18.84	53	46.895	294	12.02	87
26.7	9.591	385	19.37	116	47.189	302	12.89	129
Nov. 5.7	9.976	380	20.53	174	47.491	302	14.18	166
15.7	10.356	361	22.27	228	47.793	295	15.84	198
25.7	10.717	332	24.55	274	48.088	279	17.82	223
Dez. 5.6	11.049	292	27.29	311	48.367	254	20.05	240
15.6	11.341	242	30.40	336	48.621	222	22.45	249
25.6	11.583	183	33.76	353	48.843	181	24.94	249
35.6	11.766		37.29		49.024		27.43	
Mittl. Ort	7.689		22.18		44.881		8.59	
sec δ, tg δ	1.469		−1.076		1.038		−0.278	

Mittlere Zeit Greenw.	310) Br. 1147 AR.		310) Br. 1147 Dekl.		312) β Cancri AR.		312) β Cancri Dekl.		314) 31 Lyncis AR.		314) 31 Lyncis Dekl.		315) ε Argus AR.		315) ε Argus Dekl.	
1922	8h 9m		+75° 59′		8h 12m		+9° 25′		8h 17m		+43° 25′		8h 20m		−59° 15′	
Jan. 0.6	51.50	51	33.08	249	18.716	171	25.14	114	31.858	232	66.22	87	58.044	177	30.67	374
10.5	52.01	34	35.57	274	18.887	124	24.00	96	32.090	169	67.09	112	58.221	91	34.41	379
20.5	52.35	15	38.31	287	19.011	73	23.04	77	32.259	102	68.21	131	58.312	5	38.20	372
30.5	52.50	5	41.18	288	19.084	20	22.27	56	32.361	33	69.52	145	58.317	80	41.92	356
Feb. 9.5	52.45	22	44.06	278	19.104	28	21.71	38	32.394	34	70.97	152	58.237	159	45.48	330
19.4	52.23	40	46.84	258	19.076	73	21.33	20	32.360	96	72.49	150	58.078	231	48.78	298
März 1.4	51.83	54	49.42	227	19.003	111	21.13	4	32.264	148	73.99	142	57.847	290	51.76	259
11.4	51.29	66	51.69	187	18.892	140	21.09	8	32.116	189	75.41	127	57.557	339	54.35	216
21.3	50.63	75	53.56	140	18.752	159	21.17	19	31.927	219	76.68	106	57.218	374	56.51	167
31.3	49.88	80	54.96	88	18.593	169	21.36	27	31.708	235	77.74	82	56.844	396	58.18	118
Apr. 10.3	49.08	82	55.84	35	18.424	169	21.63	34	31.473	239	78.56	54	56.448	405	59.36	66
20.3	48.26	79	56.19	19	18.255	161	21.97	39	31.234	229	79.10	26	56.043	401	60.02	13
30.2	47.47	75	56.00	72	18.094	145	22.36	44	31.005	211	79.36	4	55.642	387	60.15	39
Mai 10.2	46.72	67	55.28	121	17.949	123	22.80	48	30.794	182	79.32	31	55.255	362	59.76	90
20.2	46.05	57	54.07	165	17.826	97	23.28	51	30.612	148	79.01	58	54.893	327	58.86	139
30.2	45.48	46	52.42	204	17.729	67	23.79	53	30.464	107	78.43	81	54.566	285	57.47	183
Juni 9.1	45.02	32	50.38	237	17.662	35	24.32	54	30.357	65	77.62	102	54.281	237	55.64	224
19.1	44.70	19	48.01	263	17.627	4	24.86	55	30.292	20	76.60	119	54.044	181	53.40	258
29.1	44.51	4	45.38	281	17.623	29	25.41	54	30.272	25	75.41	134	53.863	121	50.82	285
Juli 9.0	44.47	10	42.57	294	17.652	60	25.95	50	30.297	70	74.07	146	53.742	58	47.97	304
19.0	44.57	24	39.63	298	17.712	90	26.45	45	30.367	112	72.61	154	53.684	8	44.93	315
29.0	44.81	38	36.65	297	17.802	120	26.90	37	30.479	153	71.07	160	53.692	76	41.78	315
Aug. 8.0	45.19	50	33.68	290	17.922	147	27.27	25	30.632	191	69.47	164	53.768	143	38.63	304
17.9	45.69	62	30.78	276	18.069	174	27.52	12	30.823	228	67.83	165	53.911	209	35.59	285
27.9	46.31	74	28.02	256	18.243	199	27.64	5	31.051	263	66.18	163	54.120	272	32.74	253
Sept. 6.9	47.05	83	25.46	232	18.442	222	27.59	25	31.314	294	64.55	160	54.392	331	30.21	212
16.9	47.88	91	23.14	203	18.664	245	27.34	45	31.608	324	62.95	154	54.723	383	28.09	163
26.8	48.79	99	21.11	169	18.909	264	26.89	66	31.932	349	61.41	146	55.106	427	26.46	107
Okt. 6.8	49.78	104	19.42	130	19.173	282	26.23	87	32.281	373	59.95	133	55.533	460	25.39	44
16.8	50.82	108	18.12	87	19.455	295	25.36	107	32.654	390	58.62	117	55.993	482	24.95	22
26.8	51.90	109	17.25	42	19.750	305	24.29	124	33.044	401	57.45	99	56.475	490	25.17	87
Nov. 5.7	52.99	109	16.83	7	20.055	306	23.05	136	33.445	406	56.46	76	56.965	482	26.04	152
15.7	54.08	104	16.90	56	20.361	302	21.69	143	33.851	399	55.70	49	57.447	459	27.56	211
25.7	55.12	98	17.46	105	20.663	289	20.26	146	34.250	384	55.21	21	57.906	420	29.67	263
Dez. 5.6	56.10	90	18.51	153	20.952	268	18.80	143	34.634	356	55.00	10	58.326	368	32.30	308
15.6	57.00	76	20.04	196	21.220	237	17.37	135	34.990	318	55.10	42	58.694	302	35.38	341
25.6	57.76	63	22.00	233	21.457	200	16.02	121	35.308	268	55.52	72	58.996	226	38.79	364
35.6	58.39		24.33		21.657		14.81		35.576		56.24		59.222		42.43	
Mittl. Ort	47.01		50.33		17.215		36.89		30.127		82.15		54.921		28.83	
sec δ. tg δ	4.133		+4.010		1.014		+0.166		1.377		+0.947		1.956		−1.681	

Mittlere Zeit Greenw.	316) Br. 1197 AR.		316) Br. 1197 Dekl.		318) ϑ Chamael. AR.		318) ϑ Chamael. Dekl.	
	$8^h\ 21^m$		$-3°\ 39'$		$8^h\ 22^m$		$-77°\ 13'$	
1922	s		"		s		"	
Jan. 0.6	47.364	171	13.42	190	67.30	27	60.32	370
10.5	47.535	124	15.32	177	67.57	7	64.02	380
20.5	47.659	73	17.09	157	67.64	11	67.82	378
30.5	47.732	23	18.66	136	67.53	29	71.60	367
Feb. 9.5	47.755	25	20.02	113	67.24	46	75.27	346
19.4	47.730	70	21.15	89	66.78	61	78.73	317
März 1.4	47.660	106	22.04	65	66.17	75	81.90	282
11.4	47.554	136	22.69	43	65.42	85	84.72	241
21.4	47.418	155	23.12	20	64.57	93	87.13	195
31.3	47.263	167	23.32	0	63.64	99	89.08	146
Apr. 10.3	47.096	168	23.32	19	62.65	101	90.54	94
20.3	46.928	161	23.13	38	61.64	102	91.48	41
30.3	46.767	149	22.75	55	60.62	101	91.89	13
Mai 10.2	46.618	128	22.20	70	59.61	95	91.76	66
20.2	46.490	105	21.50	85	58.66	89	91.10	116
30.2	46.385	77	20.65	97	57.77	81	89.94	165
Juni 9.1	46.308	48	19.68	107	56.96	69	88.29	209
19.1	46.260	18	18.61	115	56.27	58	86.20	247
29.1	46.242	13	17.46	119	55.69	43	83.73	279
Juli 9.1	46.255	43	16.27	120	55.26	28	80.94	302
19.0	46.298	74	15.07	117	54.98	12	77.92	317
29.0	46.372	102	13.90	109	54.86	4	74.75	322
Aug. 8.0	46.474	131	12.81	95	54.90	22	71.53	317
17.9	46.605	157	11.86	79	55.12	38	68.36	300
27.9	46.762	185	11.07	56	55.50	54	65.36	272
Sept. 6.9	46.947	209	10.51	29	56.04	68	62.64	236
16.9	47.156	232	10.22	1	56.72	81	60.28	188
26.8	47.388	254	10.23	32	57.53	91	58.40	133
Okt. 6.8	47.642	273	10.55	66	58.44	98	57.07	73
16.8	47.915	288	11.21	97	59.42	103	56.34	7
26.7	48.203	297	12.18	128	60.45	104	56.27	60
Nov. 5.7	48.500	301	13.46	155	61.49	100	56.87	125
15.7	48.801	298	15.01	175	62.49	94	58.12	187
25.7	49.099	285	16.76	191	63.43	84	59.99	243
Dez. 5.6	49.384	264	18.67	198	64.27	70	62.42	291
15.6	49.648	235	20.65	200	64.97	55	65.33	328
25.6	49.883	197	22.65	195	65.52	38	68.61	356
35.6	50.080		24.60		65.90		72.17	
Mittl. Ort	45.844		3.75		60.31		60.13	
sec δ, tg δ	1.002		−0.064		4.525		−4.413	

Mittlere Zeit Greenw.	317) o Ursae maj. AR.		317) o Ursae maj. Dekl.		320) Gr. 1450 AR.		320) Gr. 1450 Dekl.	
	$8^h\ 23^m$		$+60°\ 58'$		$8^h\ 27^m$		$+38°\ 16'$	
1922	s		"		s		"	
Jan. 0.6	50.17	32	31.80	176	52.660	230	50.41	51
10.5	50.49	23	33.56	203	52.890	172	50.92	78
20.5	50.72	14	35.59	223	53.062	110	51.70	99
30.5	50.86	4	37.82	233	53.172	45	52.69	116
Feb. 9.5	50.90	6	40.15	233	53.217	17	53.85	126
19.4	50.84	15	42.48	223	53.200	75	55.11	130
März 1.4	50.69	23	44.71	204	53.125	125	56.41	127
11.4	50.46	30	46.75	177	53.000	165	57.68	117
21.4	50.16	33	48.52	142	52.835	195	58.85	103
31.3	49.83	38	49.94	103	52.640	210	59.88	84
Apr. 10.3	49.45	37	50.97	60	52.430	216	60.72	61
20.3	49.08	37	51.57	16	52.214	210	61.33	38
30.3	48.71	35	51.73	28	52.004	193	61.71	13
Mai 10.2	48.36	31	51.45	70	51.811	169	61.84	12
20.2	48.05	26	50.75	108	51.642	139	61.72	34
30.2	47.79	21	49.67	143	51.503	104	61.38	56
Juni 9.1	47.58	14	48.24	174	51.399	65	60.82	75
19.1	47.44	8	46.50	199	51.334	25	60.07	91
29.1	47.36	1	44.51	218	51.309	15	59.16	105
Juli 9.1	47.35	6	42.33	234	51.324	56	58.11	118
19.0	47.41	13	39.99	243	51.380	93	56.93	128
29.0	47.54	19	37.56	248	51.473	132	55.65	136
Aug. 8.0	47.73	25	35.08	247	51.605	167	54.29	142
17.9	47.98	31	32.61	242	51.772	201	52.87	146
27.9	48.29	37	30.19	232	51.973	234	51.41	150
Sept. 6.9	48.66	41	27.87	219	52.207	264	49.91	150
16.9	49.07	46	25.68	200	52.471	293	48.41	149
26.8	49.53	50	23.68	178	52.764	318	46.92	146
Okt. 6.8	50.03	53	21.90	151	53.082	342	45.46	139
16.8	50.56	55	20.39	120	53.424	361	44.07	129
26.7	51.11	58	19.19	85	53.785	374	42.78	115
Nov. 5.7	51.69	58	18.34	47	54.159	380	41.63	98
15.7	52.27	56	17.87	6	54.539	377	40.65	75
25.7	52.83	55	17.81	37	54.916	365	39.90	51
Dez. 5.6	53.38	50	18.18	79	55.281	341	39.39	23
15.6	53.88	44	18.97	121	55.622	308	39.16	7
25.6	54.32	38	20.18	157	55.930	262	39.23	36
35.6	54.70		21.75		56.192		39.59	
Mittl. Ort	47.88		49.36		51.072		66.16	
sec δ, tg δ	2.061		+1.802		1.274		+0.789	

Mittlere Zeit Greenw.	321) η Cancri AR.		321) η Cancri Dekl.		326) δ Cancri AR.		326) δ Cancri Dekl.	
	8h 28m		+20° 42′		8h 40m		+18° 26′	
1922	s		″		s		″	
Jan. 0.6	13.533	199	12.24	53	16.721	207	17.70	72
10.6	13.732	149	11.71	31	16.928	159	16.98	50
20.5	13.881	96	11.40	9	17.087	107	16.48	27
30.5	13.977	41	11.31	— 11	17.194	53	16.21	5
Feb. 9.5	14.018	— 12	11.42	27	17.247	0	16.16	— 13
19.5	14.006	60	11.69	41	17.247	49	16.29	29
März 1.4	13.946	103	12.10	49	17.198	91	16.58	40
11.4	13.843	136	12.59	54	17.107	125	16.98	48
21.4	13.707	158	13.13	56	16.982	149	17.46	52
31.3	13.549	173	13.69	53	16.833	165	17.98	53
Apr. 10.3	13.376	175	14.22	49	16.668	170	18.51	50
20.3	13.201	170	14.71	43	16.498	166	19.01	47
30.2	13.031	155	15.14	36	16.332	154	19.48	41
Mai 10.2	12.876	135	15.50	27	16.178	136	19.89	36
20.2	12.741	109	15.77	20	16.042	113	20.25	29
30.2	12.632	80	15.97	12	15.929	85	20.54	22
Juni 9.1	12.552	48	16.09	5	15.844	56	20.76	16
19.1	12.504	16	16.14	— 2	15.788	24	20.92	9
29.1	12.488	— 18	16.12	10	15.764	— 6	21.01	1
Juli 9.1	12.506	50	16.02	17	15.770	38	21.02	— 6
19.0	12.556	83	15.85	25	15.808	69	20.96	14
29.0	12.639	113	15.60	34	15.877	99	20.82	25
Aug. 8.0	12.752	142	15.26	44	15.976	128	20.57	35
18.0	12.894	170	14.82	55	16.104	156	20.22	47
27.9	13.064	198	14.27	66	16.260	184	19.75	60
Sept. 6.9	13.262	224	13.61	79	16.444	211	19.15	75
16.9	13.486	248	12.82	91	16.655	237	18.40	90
26.8	13.734	271	11.91	103	16.892	260	17.50	103
Okt. 6.8	14.005	291	10.88	114	17.152	283	16.47	117
16.8	14.296	309	9.74	121	17.435	301	15.30	127
26.8	14.605	320	8.53	126	17.736	315	14.03	134
Nov. 5.7	14.925	326	7.27	127	18.051	322	12.69	138
15.7	15.251	324	6.00	123	18.373	323	11.31	136
25.7	15.575	314	4.77	114	18.696	315	9.95	130
Dez. 5.7	15.889	294	3.63	102	19.011	298	8.65	118
15.6	16.183	264	2.61	84	19.309	270	7.47	103
25.6	16.447	227	1.77	63	19.579	233	6.44	83
35.6	16.674		1.14		19.812		5.61	
Mittl. Ort	12.075		25.67		15.315		30.84	
sec δ, tg δ	1.069		+0.378		1.054		+0.333	

Mittlere Zeit Greenw.	327) α Pyxidis AR.		327) α Pyxidis Dekl.		328) ι Cancri AR.		328) ι Cancri Dekl.	
	8h 40m		−32° 54′		8h 41m		+29° 2′	
1922	s		″		s		″	
Jan. 0.6	29.312	184	20.08	320	60.316	225	31.49	10
10.6	29.496	129	23.28	317	60.541	173	31.39	— 16
20.5	29.625	74	26.45	307	60.714	117	31.55	40
30.5	29.699	17	29.52	289	60.831	59	31.95	60
Feb. 9.5	29.716	— 38	32.41	264	60.890	3	32.55	76
19.5	29.678	87	35.05	234	60.893	— 51	33.31	87
März 1.4	29.591	130	37.39	200	60.842	98	34.18	92
11.4	29.461	164	39.39	162	60.744	135	35.10	92
21.4	29.297	190	41.01	123	60.609	163	36.02	87
31.3	29.107	205	42.24	83	60.446	180	36.89	77
Apr. 10.3	28.902	211	43.07	41	60.266	186	37.66	65
20.3	28.691	210	43.48	— 1	60.080	183	38.31	50
30.2	28.481	200	43.47	41	59.897	171	38.81	34
Mai 10.2	28.281	184	43.06	80	59.726	151	39.15	17
20.2	28.097	162	42.26	117	59.575	126	39.32	2
30.2	27.935	136	41.09	151	59.449	96	39.34	— 14
Juni 9.1	27.799	107	39.58	181	59.353	65	39.20	29
19.1	27.692	75	37.77	207	59.288	30	38.91	43
29.1	27.617	40	35.70	227	59.258	— 4	38.48	54
Juli 9.1	27.577	5	33.43	240	59.262	39	37.94	66
19.0	27.572	— 30	31.03	245	59.301	72	37.28	77
29.0	27.602	68	28.58	245	59.373	105	36.51	86
Aug. 8.0	27.670	105	26.13	233	59.478	138	35.65	97
18.0	27.775	141	23.80	215	59.616	168	34.68	105
27.9	27.916	177	21.65	187	59.784	197	33.63	114
Sept. 6.9	28.093	211	19.78	151	59.981	227	32.49	123
16.9	28.304	244	18.27	109	60.208	254	31.26	129
26.8	28.548	274	17.18	61	60.462	280	29.97	134
Okt. 6.8	28.822	299	16.57	8	60.742	304	28.63	137
16.8	29.121	319	16.49	— 47	61.046	323	27.26	138
26.8	29.440	332	16.96	102	61.369	339	25.88	133
Nov. 5.7	29.772	336	17.98	153	61.708	347	24.55	125
15.7	30.108	332	19.51	202	62.055	348	23.30	113
25.7	30.440	317	21.53	242	62.403	339	22.17	96
Dez. 5.7	30.757	292	23.95	276	62.742	321	21.21	74
15.6	31.049	257	26.71	299	63.063	292	20.47	50
25.6	31.306	213	29.70	313	63.355	254	19.97	25
35.6	31.519		32.83		63.609		19.72	
Mittl. Ort	27.436		16.14		58.884		46.34	
sec δ, tg δ	1.191		−0.647		1.144		+0.555	

Mittlere Zeit Greenw.	330) δ Argus AR.		330) δ Argus Dekl.		334) ζ Hydrae AR.		334) ζ Hydrae Dekl.	
1922	$8^h\ 42^m$		$-54°\ 25'$		$8^h\ 51^m$		$+6°\ 14'$	
Jan. 0.6	35.728	207	21.01	366	17.722	204	24.85	144
10.6	35.935	133	24.67	373	17.926	158	23.41	126
20.5	36.068	57	28.40	370	18.084	110	22.15	105
30.5	36.125	21	32.10	357	18.194	57	21.10	83
Feb. 9.5	36.104	93	35.67	334	18.251	8	20.27	61
19.5	36.011	159	39.01	306	18.259	39	19.66	39
März 1.4	35.852	216	42.07	269	18.220	79	19.27	20
11.4	35.636	263	44.76	229	18.141	113	19.07	3
21.4	35.373	299	47.05	184	18.028	137	19.04	12
31.3	35.074	322	48.89	135	17.891	152	19.16	24
Apr. 10.3	34.752	335	50.24	86	17.739	159	19.40	34
20.3	34.417	337	51.10	35	17.580	157	19.74	42
30.3	34.080	328	51.45	16	17.423	148	20.16	50
Mai 10.2	33.752	310	51.29	66	17.275	132	20.66	55
20.2	33.442	285	50.63	115	17.143	112	21.21	59
30.2	33.157	251	49.48	160	17.031	88	21.80	63
Juni 9.1	32.906	213	47.88	200	16.943	62	22.43	65
19.1	32.693	168	45.88	237	16.881	34	23.08	66
29.1	32.525	120	43.51	266	16.847	6	23.74	64
Juli 9.1	32.405	66	40.85	287	16.841	24	24.38	61
19.0	32.339	12	37.98	301	16.865	52	24.99	55
29.0	32.327	45	34.97	304	16.917	80	25.54	46
Aug. 8.0	32.372	103	31.93	298	16.997	108	26.00	34
18.0	32.475	160	28.95	281	17.105	136	26.34	19
27.9	32.635	218	26.14	255	17.241	164	26.53	1
Sept. 6.9	32.853	272	23.59	217	17.405	190	26.54	21
16.9	33.125	322	21.42	172	17.595	217	26.33	43
26.8	33.447	366	19.70	118	17.812	241	25.90	67
Okt. 6.8	33.813	401	18.52	58	18.053	265	25.23	92
16.8	34.214	428	17.94	5	18.318	283	24.31	114
26.8	34.642	442	17.99	69	18.601	300	23.17	136
Nov. 5.7	35.084	443	18.68	133	18.901	308	21.81	152
15.7	35.527	432	20.01	194	19.209	310	20.29	163
25.7	35.959	405	21.95	246	19.519	304	18.66	170
Dez. 5.7	36.364	365	24.41	292	19.823	288	16.96	169
15.6	36.729	312	27.33	329	20.111	262	15.27	163
25.6	37.041	249	30.62	353	20.373	229	13.64	152
35.6	37.290		34.15		20.602		12.12	
Mittl. Ort	33.002		20.44		16.340		35.73	
sec δ, tg δ	1.719		−1.398		1.006		+0.109	

Mittlere Zeit Greenw.	336) c Carinae AR.		336) c Carinae Dekl.		335) ι Ursae maj. AR.		335) ι Ursae maj. Dekl.	
1922	$8^h\ 53^m$		$-60°\ 20'$		$8^h\ 53^m$		$+48°\ 20'$	
Jan. 0.6	20.06	24	44.61	366	54.131	292	38.27	89
10.6	20.30	16	48.27	379	54.423	227	39.16	123
20.5	20.46	7	52.06	380	54.650	157	40.39	150
30.5	20.53	2	55.86	370	54.807	83	41.89	170
Feb. 9.5	20.51	10	59.56	352	54.890	9	43.59	181
19.5	20.41	18	63.08	325	54.899	61	45.40	185
März 1.4	20.23	25	66.33	292	54.838	122	47.25	180
11.4	19.98	30	69.25	252	54.716	175	49.05	167
21.4	19.68	35	71.77	208	54.541	215	50.72	147
31.3	19.33	38	73.85	161	54.326	242	52.19	121
Apr. 10.3	18.95	39	75.46	110	54.084	255	53.40	90
20.3	18.56	41	76.56	59	53.829	256	54.30	57
30.3	18.15	40	77.15	6	53.573	244	54.87	23
Mai 10.2	17.75	38	77.21	47	53.329	223	55.10	12
20.2	17.37	35	76.74	97	53.106	193	54.98	45
30.2	17.02	32	75.77	145	52.913	158	54.53	76
Juni 9.1	16.70	29	74.32	189	52.755	116	53.77	105
19.1	16.41	23	72.43	229	52.639	73	52.72	130
29.1	16.18	17	70.14	261	52.566	28	51.42	152
Juli 9.1	16.01	12	67.53	287	52.538	17	49.90	170
19.0	15.89	5	64.66	304	52.555	64	48.20	185
29.0	15.84	2	61.62	312	52.619	108	46.35	197
Aug. 8.0	15.86	8	58.50	309	52.727	152	44.38	204
18.0	15.94	16	55.41	296	52.879	194	42.34	209
27.9	16.10	22	52.45	272	53.073	236	40.25	210
Sept. 6.9	16.32	29	49.73	238	53.309	274	38.15	209
16.9	16.61	36	47.35	194	53.583	311	36.06	202
26.8	16.97	41	45.41	141	53.894	347	34.04	192
Okt. 6.8	17.38	45	44.00	83	54.241	377	32.12	179
16.8	17.83	49	43.17	19	54.618	405	30.33	160
26.8	18.32	50	42.98	47	55.023	424	28.73	138
Nov. 5.7	18.82	51	43.45	113	55.447	437	27.35	110
15.7	19.33	50	44.58	175	55.884	440	26.25	79
25.7	19.83	47	46.33	232	56.324	430	25.46	43
Dez. 5.7	20.30	42	48.65	282	56.754	410	25.03	6
15.6	20.72	37	51.47	322	57.164	375	24.97	32
25.6	21.09	29	54.69	351	57.539	327	25.29	70
35.6	21.38		58.20		57.866		25.99	
Mittl. Ort	16.89		45.69		52.553		56.01	
sec δ, tg δ	2.021		−1.757		1.505		+1.124	

Mittlere Zeit Greenw.	337) α Cancri AR.		337) α Cancri Dekl.		339) 10 Ursae maj. AR.		339) 10 Ursae maj. Dekl.		341) κ Ursae maj. AR.		341) κ Ursae maj. Dekl.		343) α Volantis AR.		343) α Volantis Dekl.	
1922	8h 54m		+12° 9'		8h 55m		+42° 5'		8h 58m		+47° 27'		9h 1m		−66° 5'	
	s		"		s		"		s		"		s		"	
Jan. 0.6	14.769	212	25.92	113	36.498	270	16.08	55	20.047	294	39.85	83	16.96	29	2.05	365
10.6	14.981	166	24.79	92	36.768	212	16.63	87	20.341	231	40.68	116	17.25	19	5.70	381
20.5	15.147	116	23.87	69	36.980	148	17.50	114	20.572	163	41.84	144	17.44	8	9.51	385
30.5	15.263	64	23.18	46	37.128	81	18.64	135	20.735	89	43.28	165	17.52	2	13.36	380
Feb. 9.5	15.327	13	22.72	26	37.209	15	19.99	149	20.824	17	44.93	178	17.50	12	17.16	364
19.4	15.340	35	22.46	6	37.224	49	21.48	156	20.841	52	46.71	183	17.38	21	20.80	341
März 1.4	15.305	77	22.40	11	37.175	105	23.04	156	20.789	113	48.54	179	17.17	30	24.21	309
11.4	15.228	111	22.51	24	37.070	152	24.60	147	20.676	166	50.33	167	16.87	36	27.30	272
21.4	15.117	137	22.75	34	36.918	187	26.07	132	20.510	206	52.00	149	16.51	42	30.02	229
31.3	14.980	153	23.09	41	36.731	212	27.39	111	20.304	233	53.49	124	16.09	47	32.31	182
Apr. 10.3	14.827	160	23.50	45	36.519	223	28.50	87	20.071	247	54.73	94	15.62	49	34.13	132
20.3	14.667	158	23.95	48	36.296	223	29.37	60	19.824	248	55.67	62	15.13	50	35.45	79
30.3	14.509	150	24.43	49	36.073	213	29.97	31	19.576	239	56.29	29	14.63	50	36.24	27
Mai 10.2	14.359	134	24.92	49	35.860	193	30.28	2	19.337	218	56.58	5	14.13	48	36.51	27
20.2	14.225	114	25.41	47	35.667	167	30.30	27	19.119	191	56.53	39	13.65	46	36.24	80
30.2	14.111	90	25.88	45	35.500	135	30.03	53	18.928	155	56.14	69	13.19	42	35.44	129
Juni 9.2	14.021	63	26.33	42	35.365	99	29.50	79	18.773	117	55.45	98	12.77	38	34.15	176
19.1	13.958	35	26.75	39	35.266	60	28.71	101	18.656	75	54.47	124	12.39	32	32.39	219
29.1	13.923	6	27.14	35	35.206	20	27.70	120	18.581	31	53.23	145	12.07	25	30.20	255
Juli 9.1	13.917	23	27.49	28	35.186	20	26.50	138	18.550	14	51.78	165	11.82	18	27.65	283
19.0	13.940	53	27.77	20	35.206	60	25.12	152	18.564	58	50.13	180	11.64	11	24.82	304
29.0	13.993	81	27.97	10	35.266	99	23.60	164	18.622	102	48.33	193	11.53	1	21.78	314
Aug. 8.0	14.074	109	28.07	1	35.365	138	21.96	173	18.724	144	46.40	201	11.52	7	18.64	315
18.0	14.183	138	28.06	15	35.503	176	20.23	180	18.868	187	44.39	206	11.59	15	15.49	306
27.9	14.321	165	27.91	32	35.679	211	18.43	185	19.055	227	42.33	209	11.74	25	12.43	285
Sept. 6.9	14.486	193	27.59	50	35.890	247	16.58	185	19.282	265	40.24	208	11.99	33	9.58	253
16.9	14.679	219	27.09	69	36.137	281	14.73	185	19.547	303	38.16	203	12.32	40	7.05	211
26.9	14.898	245	26.40	89	36.418	312	12.88	180	19.850	338	36.13	195	12.72	48	4.94	160
Okt. 6.8	15.143	268	25.51	108	36.730	342	11.08	172	20.188	370	34.18	182	13.20	53	3.34	102
16.8	15.411	288	24.43	124	37.072	366	9.36	159	20.558	397	32.36	164	13.73	58	2.32	39
26.8	15.699	304	23.19	140	37.438	385	7.77	143	20.955	417	30.72	143	14.31	60	1.93	27
Nov. 5.7	16.003	314	21.79	150	37.823	398	6.34	121	21.372	432	29.29	116	14.91	61	2.20	95
15.7	16.317	317	20.29	155	38.221	401	5.13	95	21.804	435	28.13	86	15.52	59	3.15	158
25.7	16.634	311	18.74	155	38.622	394	4.18	66	22.239	427	27.27	51	16.11	56	4.73	218
Dez. 5.7	16.945	296	17.19	149	39.016	375	3.52	33	22.666	408	26.76	14	16.67	50	6.91	271
15.6	17.241	271	15.70	138	39.391	345	3.19	1	23.074	374	26.62	25	17.17	43	9.62	314
25.6	17.512	237	14.32	123	39.736	302	3.20	37	23.448	329	26.87	62	17.60	35	12.76	348
35.6	17.749		13.09		40.038		3.57		23.777		27.49		17.95		16.24	
Mittl. Ort	13.415		37.91		35.030		33.09		18.519		57.63		13.14		4.48	
sec δ, tg δ	1.023		+0.215		1.348		+0.904		1.479		+1.090		2.467		−2.255	

Mittlere Zeit Greenw.	344) σ² Ursae maj.				345) λ Argus				347) ϑ Hydrae				348) β Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$9^h 3^m$		+67° 26′		$9^h 5^m$		−43° 7′		$9^h 10^m$		+2° 38′		$9^h 12^m$		−69° 23′	
	s		″		s		″		s		″		s		″	
Jan. 0.6	35.36	47	49.55	174	9.621	221	1.95	341	19.790	218	28.99	170	25.36	35	40.91	359
10.6	35.83	37	51.29	211	9.842	162	5.36	349	20.008	174	27.29	152	25.71	23	44.50	377
20.6	36.20	25	53.40	239	10.004	100	8.85	345	20.182	126	25.77	133	25.94	11	48.27	386
30.5	36.45	13	55.79	257	10.104	37	12.30	333	20.308	75	24.44	109	26.05	0	52.13	384
Feb. 9.5	36.58	0	58.36	268	10.141	24	15.63	313	20.383	25	23.35	86	26.05	12	55.97	372
19.5	36.58	11	61.04	262	10.117	81	18.76	286	20.408	21	22.49	63	25.93	23	59.69	351
März 1.4	36.47	22	63.66	249	10.036	131	21.62	253	20.387	63	21.86	41	25.70	32	63.20	323
11.4	36.25	31	66.15	225	9.905	172	24.15	216	20.324	98	21.45	22	25.38	40	66.43	288
21.4	35.94	38	68.40	192	9.733	205	26.31	176	20.226	124	21.23	3	24.98	47	69.31	247
31.4	35.56	44	70.32	152	9.528	228	28.07	131	20.102	142	21.20	13	24.51	52	71.78	201
Apr. 10.3	35.12	47	71.84	107	9.300	240	29.38	87	19.960	151	21.33	26	23.99	56	73.79	153
20.3	34.65	48	72.91	59	9.060	245	30.25	41	19.809	152	21.59	38	23.43	58	75.32	100
30.3	34.17	47	73.50	9	8.815	240	30.66	5	19.657	146	21.97	49	22.85	58	76.32	47
Mai 10.3	33.70	44	73.59	39	8.575	229	30.61	51	19.511	134	22.46	57	22.27	57	76.79	6
20.2	33.26	40	73.20	85	8.346	211	30.10	95	19.377	117	23.03	64	21.70	55	76.73	61
30.2	32.86	35	72.35	129	8.135	187	29.15	136	19.260	96	23.67	71	21.15	51	76.12	112
Juni 9.2	32.51	27	71.06	169	7.948	159	27.79	173	19.164	73	24.38	74	20.64	46	75.00	160
19.1	32.24	20	69.37	203	7.789	127	26.06	207	19.091	48	25.12	78	20.18	40	73.40	205
29.1	32.04	13	67.34	231	7.662	91	23.99	234	19.043	21	25.90	77	19.78	33	71.35	243
Juli 9.1	31.91	4	65.03	255	7.571	54	21.65	255	19.022	5	26.67	75	19.45	25	68.92	276
19.0	31.87	4	62.48	272	7.517	13	19.10	268	19.027	33	27.42	71	19.20	16	66.16	299
29.0	31.91	12	59.76	284	7.504	30	16.42	273	19.060	61	28.13	62	19.04	6	63.17	313
Aug. 8.0	32.03	21	56.92	290	7.534	73	13.69	268	19.121	88	28.75	50	18.98	4	60.04	318
18.0	32.24	28	54.02	290	7.607	118	11.01	254	19.209	117	29.25	35	19.02	14	56.86	312
27.9	32.52	36	51.12	284	7.725	162	8.47	231	19.326	145	29.60	15	19.16	24	53.74	294
Sept. 6.9	32.88	42	48.28	273	7.887	206	6.16	198	19.471	173	29.75	6	19.40	34	50.80	265
16.9	33.30	50	45.55	257	8.093	248	4.18	157	19.644	201	29.69	32	19.74	44	48.15	227
26.9	33.80	55	42.98	234	8.341	287	2.61	107	19.845	228	29.37	59	20.18	53	45.88	178
Okt. 6.8	34.35	61	40.64	206	8.628	321	1.54	53	20.073	254	28.78	85	20.71	59	44.10	122
16.8	34.96	66	38.58	173	8.949	347	1.01	5	20.327	276	27.93	112	21.30	64	42.88	59
26.8	35.62	68	36.85	135	9.296	367	1.06	65	20.603	295	26.81	137	21.94	68	42.29	6
Nov. 5.8	36.30	71	35.50	92	9.663	377	1.71	124	20.898	306	25.44	157	22.62	69	42.35	74
15.7	37.01	71	34.58	45	10.040	375	2.95	180	21.204	312	23.87	174	23.31	67	43.09	139
25.7	37.72	70	34.13	4	10.415	361	4.75	230	21.516	308	22.13	184	23.98	65	44.48	201
Dez. 5.7	38.42	66	34.17	54	10.776	336	7.05	273	21.824	295	20.29	187	24.63	58	46.49	255
15.6	39.08	60	34.71	103	11.112	301	9.78	306	22.119	273	18.42	184	25.21	50	49.04	302
25.6	39.68	53	35.74	150	11.413	252	12.84	330	22.392	241	16.58	176	25.71	41	52.06	338
35.6	40.21		37.24		11.665		16.14		22.633		14.82		26.12		55.44	
Mittl. Ort	33.13		69.35		7.501		1.43		18.460		38.78		21.03		44.70	
sec δ, tg δ	2.608		+2.409		1.370		−0.936		1.001		+0.046		2.842		−2.660	

Mittlere Zeit Greenw.	350) 83 Cancri AR.	Diff.	350) 83 Cancri Dekl.	Diff.	352) 40 Lyncis AR.	Diff.	352) 40 Lyncis Dekl.	Diff.
1922	9h 14m		+18° 1′		9h 16m		+34° 42′	
Jan. 0.6	39.118	236	59.47	89	19.784	269	67.35	2
10.6	39.354	191	58.58	64	20.053	218	67.37	34
20.6	39.545	141	57.94	38	20.271	162	67.71	64
30.5	39.686	88	57.56	14	20.433	101	68.35	89
Feb. 9.5	39.774	35	57.42	9	20.534	41	69.24	109
19.5	39.809	15	57.51	27	20.575	18	70.33	123
März 1.4	39.794	60	57.78	43	20.557	70	71.56	130
11.4	39.734	98	58.21	54	20.487	115	72.86	130
21.4	39.636	127	58.75	61	20.372	149	74.16	123
31.4	39.509	147	59.36	63	20.223	175	75.39	112
Apr. 10.3	39.362	158	59.99	63	20.048	188	76.51	95
20.3	39.204	160	60.62	60	19.860	192	77.46	76
30.3	39.044	154	61.22	54	19.668	186	78.22	53
Mai 10.3	38.890	142	61.76	48	19.482	173	78.75	31
20.2	38.748	124	62.24	39	19.309	152	79.06	6
30.2	38.624	102	62.63	32	19.157	128	79.12	16
Juni 9.2	38.522	77	62.95	23	19.029	98	78.96	38
19.1	38.445	51	63.18	14	18.931	66	78.58	59
29.1	38.394	23	63.32	4	18.865	34	77.99	77
Juli 9.1	38.371	6	63.36	6	18.831	1	77.22	95
19.1	38.377	35	63.30	16	18.832	35	76.27	112
29.0	38.412	64	63.14	29	18.867	69	75.15	125
Aug. 8.0	38.476	92	62.85	41	18.936	103	73.90	138
18.0	38.568	122	62.44	55	19.039	137	72.52	150
27.9	38.690	151	61.89	71	19.176	171	71.02	159
Sept. 6.9	38.841	180	61.18	86	19.347	204	69.43	167
16.9	39.021	209	60.32	102	19.551	237	67.76	173
26.9	39.230	237	59.30	118	19.788	268	66.03	175
Okt. 6.8	39.467	263	58.12	132	20.056	298	64.28	176
16.8	39.730	288	56.80	145	20.354	325	62.52	171
26.8	40.018	307	55.35	153	20.679	347	60.81	163
Nov. 5.8	40.325	321	53.82	157	21.026	363	59.18	150
15.7	40.646	328	52.25	157	21.389	371	57.68	131
25.7	40.974	325	50.68	150	21.760	368	56.37	108
Dez. 5.7	41.299	314	49.18	139	22.128	356	55.29	80
15.6	41.613	292	47.79	122	22.484	331	54.49	49
25.6	41.905	260	46.57	102	22.815	297	54.00	17
35.6	42.165		45.55		23.112		53.83	
Mittl. Ort	37.862		72.52		18.512		83.62	
sec δ, tg δ	1.052		+0.326		1.217		+0.693	

Mittlere Zeit Greenw.	353) κ Argus AR.	Diff.	353) κ Argus Dekl.	Diff.	354) α Hydrae AR.	Diff.	354) α Hydrae Dekl.	Diff.
1922	9h 19m		−54° 40′		9h 23m		−8° 19′	
Jan. 0.6	44.448	269	34.99	352	46.670	224	18.16	224
10.6	44.717	197	38.51	368	46.894	180	20.40	213
20.6	44.914	123	42.19	372	47.074	133	22.53	196
30.5	45.037	47	45.91	367	47.207	82	24.49	177
Feb. 9.5	45.084	28	49.58	351	47.289	34	26.26	153
19.5	45.056	97	53.09	329	47.323	14	27.79	127
März 1.4	44.959	159	56.38	299	47.309	56	29.06	102
11.4	44.800	212	59.37	264	47.253	90	30.08	77
21.4	44.588	254	62.01	222	47.163	119	30.85	50
31.4	44.334	287	64.23	178	47.044	137	31.35	27
Apr. 10.3	44.047	308	66.01	130	46.907	149	31.62	4
20.3	43.739	319	67.31	81	46.758	152	31.66	19
30.3	43.420	319	68.12	31	46.606	149	31.47	38
Mai 10.3	43.101	313	68.43	20	46.457	139	31.09	58
20.2	42.788	296	68.23	70	46.318	125	30.51	75
30.2	42.492	272	67.53	117	46.193	107	29.76	90
Juni 9.2	42.220	242	66.36	161	46.086	86	28.86	104
19.1	41.978	206	64.75	202	46.000	63	27.82	114
29.1	41.772	164	62.73	236	45.937	39	26.68	122
Juli 9.1	41.608	117	60.37	264	45.898	12	25.46	126
19.1	41.491	67	57.73	285	45.886	14	24.20	126
29.0	41.424	13	54.88	295	45.900	42	22.94	121
Aug. 8.0	41.411	45	51.93	297	45.942	70	21.73	110
18.0	41.456	104	48.96	288	46.012	99	20.63	96
27.9	41.560	164	46.08	269	46.111	129	19.67	75
Sept. 6.9	41.724	223	43.39	240	46.240	159	18.92	50
16.9	41.947	280	40.99	201	46.399	189	18.42	20
26.9	42.227	331	38.98	152	46.588	219	18.22	14
Okt. 6.8	42.558	377	37.46	97	46.807	246	18.36	48
16.8	42.935	414	36.49	36	47.053	270	18.84	85
26.8	43.349	441	36.13	27	47.323	292	19.69	119
Nov. 5.8	43.790	453	36.40	91	47.615	305	20.88	152
15.7	44.243	453	37.31	153	47.920	312	22.40	179
25.7	44.696	437	38.84	211	48.232	309	24.19	201
Dez. 5.7	45.133	407	40.95	261	48.541	298	26.20	216
15.6	45.540	363	43.56	304	48.839	277	28.36	225
25.6	45.903	306	46.60	336	49.116	246	30.61	224
35.6	46.209		49.96		49.362		32.85	
Mittl. Ort	41.807		37.51		45.303		11.30	
sec δ, tg δ	1.730		−1.411		1.011		−0.146	

Mittlere Zeit Greenw.	355) *h* Ursae maj. AR.		Dekl.		357) *d* Ursae maj. AR.		Dekl.		359) ψ Argus AR.		Dekl.		358) ϑ Ursae maj. AR.		Dekl.	
1922	9h 25m		+63° 23′		9h 27m		+70° 9′		9h 27m		−40° 7′		9h 27m		+52° 1′	
Jan. 0.6	25.58	45	54.06	137	38.91	56	66.92	163	39.514	243	28.06	328	40.402	348	42.12	81
10.6	26.03	36	55.43	178	39.47	46	68.55	205	39.757	189	31.34	337	40.750	285	42.93	120
20.6	26.39	27	57.21	212	39.93	34	70.60	239	39.946	131	34.71	337	41.035	213	44.13	155
30.5	26.66	17	59.33	237	40.27	21	72.99	263	40.077	71	38.08	327	41.248	136	45.68	181
Feb. 9.5	26.83	6	61.70	252	40.48	6	75.62	277	40.148	11	41.35	309	41.384	58	47.49	200
19.5	26.89	— 4	64.22	257	40.54	— 6	78.39	279	40.159	— 44	44.44	286	41.442	— 20	49.49	209
März 1.4	26.85	14	66.79	249	40.48	20	81.18	270	40.115	94	47.30	255	41.422	90	51.58	209
11.4	26.71	23	69.28	232	40.28	30	83.88	249	40.021	137	49.85	221	41.332	152	53.67	200
21.4	26.48	29	71.60	206	39.98	40	86.37	218	39.884	170	52.06	183	41.180	202	55.67	181
31.4	26.19	34	73.66	173	39.58	46	88.55	181	39.714	196	53.89	142	40.978	239	57.48	157
Apr. 10.3	25.85	38	75.39	132	39.12	52	90.36	136	39.518	212	55.31	100	40.739	263	59.05	126
20.3	25.47	40	76.71	89	38.60	54	91.72	88	39.306	220	56.31	57	40.476	274	60.31	90
30.3	25.07	39	77.60	41	38.06	54	92.60	37	39.086	220	56.88	12	40.202	271	61.21	53
Mai 10.3	24.68	38	78.01	— 5	37.52	52	92.97	— 14	38.866	212	57.00	— 31	39.931	258	61.74	15
20.2	24.30	34	77.96	51	37.00	49	92.83	65	38.654	200	56.69	73	39.673	235	61.89	— 24
30.2	23.96	31	77.45	95	36.51	44	92.18	111	38.454	181	55.96	114	39.438	204	61.65	61
Juni 9.2	23.65	25	76.50	136	36.07	36	91.07	156	38.273	158	54.82	151	39.234	168	61.04	97
19.1	23.40	20	75.14	172	35.71	30	89.51	194	38.115	131	53.31	184	39.066	128	60.07	128
29.1	23.20	13	73.42	204	35.41	21	87.57	228	37.984	101	51.47	213	38.938	83	58.79	156
Juli 9.1	23.07	7	71.38	231	35.20	12	85.29	257	37.883	68	49.34	235	38.855	37	57.23	181
19.1	23.00	1	69.07	253	35.08	4	82.72	279	37.815	32	46.99	250	38.818	— 10	55.42	203
29.0	22.99	— 7	66.54	269	35.04	— 6	79.93	295	37.783	— 7	44.49	257	38.828	57	53.39	219
Aug. 8.0	23.06	13	63.85	280	35.10	15	76.98	306	37.790	47	41.92	255	38.885	103	51.20	233
18.0	23.19	20	61.05	286	35.25	25	73.92	309	37.837	89	39.37	245	38.988	151	48.87	242
27.9	23.39	27	58.19	286	35.50	32	70.83	307	37.926	133	36.92	225	39.139	198	46.45	246
Sept. 6.9	23.66	33	55.33	280	35.82	41	67.76	299	38.059	175	34.67	197	39.337	243	43.99	247
16.9	23.99	38	52.53	270	36.23	50	64.77	285	38.234	217	32.70	159	39.580	288	41.52	243
26.9	24.37	45	49.83	252	36.73	57	61.92	264	38.451	258	31.11	114	39.868	330	39.09	234
Okt. 6.8	24.82	50	47.31	231	37.30	64	59.28	238	38.709	295	29.97	62	40.198	370	36.75	221
16.8	25.32	55	45.00	202	37.94	69	56.90	205	39.004	325	29.35	6	40.568	406	34.54	202
26.8	25.87	58	42.98	169	38.63	75	54.85	166	39.329	350	29.29	— 51	40.974	436	32.52	177
Nov. 5.8	26.45	61	41.29	129	39.38	77	53.19	123	39.679	364	29.80	108	41.410	457	30.75	148
15.7	27.06	61	40.00	86	40.15	79	51.96	74	40.043	369	30.88	162	41.867	469	29.27	113
25.7	27.67	62	39.14	38	40.94	79	51.22	22	40.412	362	32.50	214	42.336	468	28.14	74
Dez. 5.7	28.29	60	38.76	— 12	41.73	75	51.00	— 31	40.774	343	34.64	256	42.804	454	27.40	31
15.6	28.89	55	38.88	62	42.48	71	51.31	84	41.117	312	37.20	290	43.258	425	27.09	— 12
25.6	29.44	49	39.50	110	43.19	63	52.15	135	41.429	272	40.10	315	43.683	382	27.21	55
35.6	29.93		40.60		43.82		53.50		41.701		43.25		44.065		27.76	
Mittl. Ort	23.89		74.37		36.86		87.79		37.566		28.59		39.043		61.26	
sec δ, tg δ	2.234		+1.997		2.948		+2.774		1.308		−0.843		1.626		+1.282	

Mittlere Zeit Greenw.	360) 10 Leonis min.				366) ϑ Antliae				367) ε Leonis				369) υ Argus			
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1922	9h 29m		+36° 44′		9h 40m		−27° 24′		9h 41m		+24° 7′		9h 45m		−64° 42′	
Jan. 0.6	28.264	287	24.13	5	44.999	242	43.84	292	26.764	266	48.45	70	12.60	38	29.29	341
10.6	28.551	237	24.18	38	45.241	197	46.76	296	27.030	224	47.75	40	12.98	29	32.70	366
20.6	28.788	180	24.56	70	45.438	146	49.72	290	27.254	174	47.35	10	13.27	19	36.36	380
30.6	28.968	119	25.26	98	45.584	93	52.62	278	27.428	120	47.25	19	13.46	9	40.16	383
Feb. 9.5	29.087	57	26.24	120	45.677	40	55.40	258	27.548	66	47.44	43	13.55	0	43.99	378
19.5	29.144	2	27.44	135	45.717	10	57.98	234	27.614	12	47.87	64	13.55	9	47.77	362
März 1.5	29.142	58	28.79	143	45.707	56	60.32	206	27.626	35	48.51	80	13.46	18	51.39	338
11.4	29.084	104	30.22	144	45.651	94	62.38	174	27.591	78	49.31	90	13.28	25	54.77	308
21.4	28.980	143	31.66	138	45.557	126	64.12	141	27.513	112	50.21	94	13.03	32	57.85	272
31.4	28.837	171	33.04	125	45.431	150	65.53	107	27.401	137	51.15	94	12.71	36	60.57	229
Apr. 10.3	28.666	187	34.29	108	45.281	164	66.60	71	27.264	153	52.09	88	12.35	40	62.86	184
20.3	28.479	193	35.37	87	45.117	173	67.31	35	27.111	160	52.97	81	11.95	43	64.70	135
30.3	28.286	192	36.24	63	44.944	173	67.66	1	26.951	159	53.78	68	11.52	45	66.05	83
Mai 10.3	28.094	179	36.87	37	44.771	167	67.65	35	26.792	151	54.46	55	11.07	44	66.88	30
20.2	27.915	162	37.24	12	44.604	157	67.30	69	26.641	138	55.01	41	10.63	43	67.18	22
30.2	27.753	139	37.36	14	44.447	141	66.61	100	26.503	118	55.42	25	10.20	42	66.96	75
Juni 9.2	27.614	111	37.22	39	44.306	124	65.61	130	26.385	97	55.67	10	9.78	38	66.21	125
19.2	27.503	81	36.83	62	44.182	101	64.31	155	26.288	73	55.77	6	9.40	35	64.96	172
29.1	27.422	48	36.21	84	44.081	76	62.76	176	26.215	46	55.71	21	9.05	29	63.24	213
Juli 9.1	27.374	14	35.37	103	44.005	50	61.00	192	26.169	19	55.50	36	8.76	24	61.11	249
19.1	27.360	19	34.34	122	43.955	21	59.08	203	26.150	9	55.14	52	8.52	18	58.62	278
29.1	27.379	55	33.12	138	43.934	10	57.05	206	26.159	38	54.62	67	8.34	10	55.84	297
Aug. 8.0	27.434	89	31.74	153	43.944	43	54.99	203	26.197	68	53.95	82	8.24	2	52.87	308
18.0	27.523	124	30.21	164	43.987	76	52.96	192	26.265	98	53.13	98	8.22	6	49.79	308
28.0	27.647	159	28.57	176	44.063	113	51.04	173	26.363	129	52.15	112	8.28	15	46.71	297
Sept. 6.9	27.806	195	26.81	183	44.176	149	49.31	146	26.492	161	51.03	127	8.43	23	43.74	275
16.9	28.001	228	24.98	189	44.325	185	47.85	111	26.653	192	49.76	140	8.66	31	40.99	242
26.9	28.229	263	23.09	192	44.510	221	46.74	72	26.845	225	48.36	153	8.97	39	38.57	199
Okt. 6.9	28.492	296	21.17	191	44.731	255	46.02	27	27.070	256	46.83	164	9.36	46	36.58	147
16.8	28.788	324	19.26	185	44.986	284	45.75	22	27.326	284	45.19	171	9.82	52	35.11	89
26.8	29.112	350	17.41	176	45.270	309	45.97	72	27.610	308	43.48	175	10.34	56	34.22	25
Nov. 5.8	29.462	368	15.65	161	45.579	326	46.69	120	27.918	328	41.73	172	10.90	58	33.97	41
15.8	29.830	379	14.04	140	45.905	335	47.89	166	28.246	340	40.01	166	11.48	59	34.38	106
25.7	30.209	380	12.64	115	46.240	334	49.55	207	28.586	343	38.35	154	12.07	58	35.44	170
Dez. 5.7	30.589	369	11.49	86	46.574	321	51.62	241	28.929	335	36.81	136	12.65	54	37.14	227
15.7	30.958	347	10.63	51	46.895	298	54.03	267	29.264	318	35.45	113	13.19	49	39.41	277
25.6	31.305	314	10.12	17	47.193	267	56.70	284	29.582	290	34.32	86	13.68	43	42.18	319
35.6	31.619		9.95		47.460		59.54		29.872		33.46		14.11		45.37	
Mittl. Ort	27.066		40.93		43.418		42.40		25.654		62.70		9.18		35.39	
sec δ, tg δ	1.248		+0.747		1.126		−0.519		1.096		+0.448		2.341		−2.116	

Mittlere Zeit Greenw.	368) υ Ursae maj. AR.		Dekl.		370) 6 Sextantis AR.		Dekl.		372) Gr. 1586 AR.		Dekl.		378) π Leonis AR.		Dekl.	
1922	$9^h 45^m$		$+59° 23'$		$9^h 47^m$		$-3° 52'$		$9^h 51^m$		$+73° 14'$		$9^h 56^m$		$+8° 24'$	
Jan. 0.6	28.796	428	62.95	100	19.475	243	45.11	207	28.55	70	43.22	148	6.701	256	58.42	154
10.6	29.224	359	63.95	144	19.718	203	47.18	193	29.25	59	44.70	196	6.957	218	56.88	132
20.6	29.583	277	65.39	182	19.921	158	49.11	176	29.84	46	46.66	236	7.175	173	55.56	108
30.6	29.860	188	67.21	212	20.079	109	50.87	155	30.30	30	49.02	266	7.348	124	54.48	83
Feb. 9.5	30.048	95	69.33	233	20.188	60	52.42	132	30.60	15	51.68	284	7.472	74	53.65	57
19.5	30.143	3	71.66	244	20.248	12	53.74	106	30.75	2	54.52	292	7.546	25	53.08	32
März 1.5	30.146	84	74.10	245	20.260	31	54.80	81	30.73	16	57.44	287	7.571	20	52.76	10
11.4	30.062	161	76.55	234	20.229	68	55.61	58	30.57	30	60.31	270	7.551	58	52.66	9
21.4	29.901	226	78.89	215	20.161	98	56.19	34	30.27	41	63.01	243	7.493	90	52.75	25
31.4	29.675	276	81.04	185	20.063	120	56.53	13	29.86	51	65.44	207	7.403	114	53.00	38
Apr. 10.4	29.399	312	82.89	151	19.943	134	56.66	6	29.35	59	67.51	164	7.289	130	53.38	48
20.3	29.087	332	84.40	112	19.809	141	56.60	23	28.76	62	69.15	115	7.159	139	53.86	54
30.3	28.755	337	85.52	69	19.668	141	56.37	40	28.14	64	70.30	63	7.020	140	54.40	58
Mai 10.3	28.418	327	86.21	24	19.527	136	55.97	54	27.50	64	70.93	11	6.880	135	54.98	61
20.2	28.091	307	86.45	21	19.391	125	55.43	66	26.86	61	71.04	43	6.745	124	55.59	61
30.2	27.784	276	86.24	64	19.266	110	54.77	78	26.25	56	70.61	93	6.621	111	56.20	60
Juni 9.2	27.508	238	85.60	104	19.156	93	53.99	87	25.69	50	69.68	141	6.510	93	56.80	57
19.2	27.270	192	84.56	143	19.063	73	53.12	94	25.19	42	68.27	185	6.417	74	57.37	54
29.1	27.078	142	83.13	177	18.990	51	52.18	98	24.77	33	66.42	223	6.343	53	57.91	49
Juli 9.1	26.936	88	81.36	206	18.939	28	51.20	100	24.44	23	64.19	256	6.290	30	58.40	42
19.1	26.848	33	79.30	231	18.911	3	50.20	98	24.21	14	61.63	283	6.260	5	58.82	33
29.1	26.815	24	76.99	252	18.908	23	49.22	92	24.07	2	58.80	304	6.255	20	59.15	23
Aug. 8.0	26.839	82	74.47	268	18.931	50	48.30	81	24.05	8	55.76	318	6.275	47	59.38	9
18.0	26.921	140	71.79	277	18.981	78	47.49	67	24.13	19	52.58	327	6.322	74	59.47	7
28.0	27.061	197	69.02	283	19.059	107	46.82	48	24.32	29	49.31	328	6.396	104	59.40	25
Sept. 7.0	27.258	255	66.19	282	19.166	139	46.34	25	24.61	40	46.03	322	6.500	134	59.15	45
16.9	27.513	311	63.37	277	19.305	169	46.09	2	25.01	50	42.81	312	6.634	165	58.70	67
26.9	27.824	364	60.60	266	19.474	201	46.11	32	25.51	59	39.69	292	6.799	197	58.03	90
Okt. 6.9	28.188	416	57.94	249	19.675	231	46.43	64	26.10	68	36.77	267	6.996	228	57.13	113
16.8	28.604	462	55.45	226	19.906	259	47.07	95	26.78	76	34.10	236	7.224	257	56.00	135
26.8	29.066	501	53.19	197	20.165	283	48.02	126	27.54	83	31.74	198	7.481	282	54.65	154
Nov. 5.8	29.567	531	51.22	162	20.448	302	49.28	154	28.37	87	29.76	153	7.763	303	53.11	169
15.8	30.098	549	49.60	122	20.750	312	50.82	178	29.24	91	28.23	103	8.066	316	51.42	181
25.7	30.647	553	48.38	76	21.062	315	52.60	196	30.15	91	27.20	50	8.382	321	49.61	186
Dez. 5.7	31.200	541	47.62	28	21.377	308	54.56	207	31.06	89	26.70	7	8.703	317	47.75	184
15.7	31.741	513	47.34	22	21.685	290	56.63	212	31.95	84	26.77	62	9.020	302	45.91	176
25.7	32.254	468	47.56	71	21.975	265	58.75	210	32.79	77	27.39	118	9.322	276	44.15	163
35.6	32.722		48.27		22.240		60.85		33.56		28.57		9.598		42.52	
Mittl. Ort	27.480		83.40		18.243		37.97		26.73		64.95		5.604		68.59	
sec δ, tg δ	1.965		+1.691		1.002		−0.068		3.470		+3.323		1.011		+0.148	

Mittlere Zeit Greenw.	379) η Leonis AR.		379) η Leonis Dekl.		380) α Leonis AR.		380) α Leonis Dekl.		381) λ Hydrae AR.		381) λ Hydrae Dekl.		382) q Velorum AR.		382) q Velorum Dekl.	
1922	10h 3m		+17° 8′		10h 4m		+12° 20′		10h 6m		−11° 58′		10h 11m		−41° 44′	
	s		″		s		″		s		″		s		″	
Jan. 0.6	5.979	271	24.57	115	14.245	266	45.15	138	48.371	256	8.93	239	29.293	294	2.10	311
10.6	6.250	233	23.42	88	14.511	227	43.77	114	48.627	218	11.32	233	29.587	246	5.21	328
20.6	6.483	186	22.54	60	14.738	183	42.63	88	48.845	173	13.65	221	29.833	190	8.49	335
30.6	6.669	137	21.94	31	14.921	134	41.75	60	49.018	125	15.86	203	30.023	132	11.84	333
Feb. 9.5	6.806	85	21.63	3	15.055	83	41.15	34	49.143	76	17.89	181	30.155	72	15.17	323
19.5	6.891	35	21.60	21	15.138	34	40.81	9	49.219	29	19.70	157	30.227	15	18.40	305
März 1.5	6.926	13	21.81	41	15.172	11	40.72	13	49.248	15	21.27	132	30.242	39	21.45	281
11.5	6.913	53	22.22	58	15.161	52	40.85	32	49.233	54	22.59	104	30.203	86	24.26	252
21.4	6.860	88	22.80	69	15.109	85	41.17	45	49.179	86	23.63	78	30.117	125	26.78	219
31.4	6.772	114	23.49	75	15.024	110	41.62	56	49.093	110	24.41	52	29.992	158	28.97	181
Apr. 10.4	6.658	132	24.24	78	14.914	128	42.18	63	48.983	127	24.93	27	29.834	181	30.78	142
20.3	6.526	142	25.02	76	14.786	138	42.81	65	48.856	137	25.20	4	29.653	198	32.20	101
30.3	6.384	144	25.78	72	14.648	140	43.46	66	48.719	140	25.24	20	29.455	206	33.21	58
Mai 10.3	6.240	141	26.50	66	14.508	136	44.12	64	48.579	139	25.04	41	29.249	209	33.79	14
20.3	6.099	131	27.16	57	14.372	128	44.76	61	48.440	131	24.63	61	29.040	204	33.93	28
30.2	5.968	117	27.73	47	14.244	115	45.37	55	48.309	120	24.02	79	28.836	195	33.65	71
Juni 9.2	5.851	100	28.20	37	14.129	98	45.92	49	48.189	107	23.23	95	28.641	181	32.94	110
19.2	5.751	81	28.57	25	14.031	79	46.41	41	48.082	89	22.28	109	28.460	163	31.84	147
29.1	5.670	58	28.82	13	13.952	58	46.82	33	47.993	70	21.19	120	28.297	139	30.37	180
Juli 9.1	5.612	35	28.95	1	13.894	37	47.15	24	47.923	48	19.99	127	28.158	111	28.57	207
19.1	5.577	11	28.96	13	13.857	12	47.39	12	47.875	26	18.72	130	28.047	81	26.50	230
29.1	5.566	15	28.83	28	13.845	14	47.51	1	47.849	0	17.42	129	27.966	45	24.20	243
Aug. 8.0	5.581	43	28.55	43	13.859	39	47.50	15	47.849	26	16.13	122	27.921	7	21.77	250
18.0	5.624	71	28.12	60	13.898	68	47.35	31	47.875	56	14.91	110	27.914	35	19.27	248
28.0	5.695	101	27.52	78	13.966	97	47.04	50	47.931	86	13.81	92	27.949	79	16.79	235
Sept. 7.0	5.796	132	26.74	95	14.063	127	46.54	68	48.017	119	12.89	68	28.028	127	14.44	215
16.9	5.928	165	25.79	114	14.190	160	45.86	90	48.136	153	12.21	41	28.155	174	12.29	183
26.9	6.093	197	24.65	132	14.350	192	44.96	110	48.289	187	11.80	8	28.329	221	10.46	146
Okt. 6.9	6.290	230	23.33	149	14.542	224	43.86	130	48.476	220	11.72	28	28.550	265	9.00	99
16.8	6.520	260	21.84	163	14.766	255	42.56	149	48.696	251	12.00	65	28.815	306	8.01	48
26.8	6.780	288	20.21	175	15.021	281	41.07	165	48.947	279	12.65	102	29.121	340	7.53	9
Nov. 5.8	7.068	310	18.46	181	15.302	303	39.42	177	49.226	300	13.67	138	29.461	365	7.62	66
15.8	7.378	324	16.65	182	15.605	319	37.65	183	49.526	315	15.05	170	29.826	380	8.28	121
25.7	7.702	332	14.83	178	15.924	325	35.82	184	49.841	320	16.75	197	30.206	384	9.49	175
Dez. 5.7	8.034	329	13.05	168	16.249	322	33.98	179	50.161	315	18.72	218	30.590	374	11.24	222
15.7	8.363	315	11.37	151	16.571	309	32.19	166	50.476	301	20.90	232	30.964	353	13.46	263
25.7	8.678	292	9.86	130	16.880	285	30.53	151	50.777	276	23.22	237	31.317	319	16.09	294
35.6	8.970		8.56		17.165		29.02		51.053		25.59		31.636		19.03	
Mittl. Ort	4.966		36.91		13.213		56.20		47.136		4.77		27.475		6.01	
sec δ, tg δ	1.047		+0.308		1.024		+0.219		1.022		−0.212		1.340		−0.892	

Mittlere Zeit Greenw.	384) ζ Leonis AR.		384) ζ Leonis Dekl.		383) λ Ursae maj. AR.		383) λ Ursae maj. Dekl.	
	$10^h\ 12^m$	Diff.	+23° 47′	Diff.	$10^h\ 12^m$	Diff.	+43° 17′	Diff.
1922	s		″		s		″	
Jan. 0.6	22.276	288	69.85	90	24.898	346	57.56	2
10.6	22.564	250	68.95	57	25.244	299	57.58	44
20.6	22.814	203	68.38	24	25.543	244	58.02	85
30.6	23.017	152	68.14	7	25.787	181	58.87	120
Feb. 9.5	23.169	99	68.21	36	25.968	116	60.07	150
19.5	23.268	46	68.57	61	26.084	50	61.57	171
März 1.5	23.314	4	69.18	81	26.134	12	63.28	184
11.5	23.310	47	69.99	94	26.122	69	65.12	189
21.4	23.263	85	70.93	103	26.053	117	67.01	184
31.4	23.178	114	71.96	105	25.936	155	68.85	172
Apr. 10.4	23.064	134	73.01	102	25.781	183	70.57	153
20.3	22.930	146	74.03	95	25.598	200	72.10	129
30.3	22.784	151	74.98	85	25.398	208	73.39	100
Mai 10.3	22.633	149	75.83	71	25.190	205	74.39	69
20.3	22.484	140	76.54	57	24.985	197	75.08	35
30.2	22.344	127	77.11	39	24.788	180	75.43	2
Juni 9.2	22.217	111	77.50	23	24.608	158	75.45	31
19.2	22.106	91	77.73	5	24.450	133	75.14	64
29.2	22.015	69	77.78	12	24.317	103	74.50	94
Juli 9.1	21.946	45	77.66	31	24.214	71	73.56	122
19.1	21.901	20	77.35	47	24.143	38	72.34	147
29.1	21.881	6	76.88	66	24.105	3	70.87	171
Aug. 8.0	21.887	34	76.22	83	24.102	35	69.16	191
18.0	21.921	64	75.39	101	24.137	73	67.25	209
28.0	21.985	96	74.38	118	24.210	112	65.16	222
Sept. 7.0	22.081	128	73.20	135	24.322	153	62.94	234
16.9	22.209	161	71.85	150	24.475	194	60.60	240
26.9	22.370	196	70.35	166	24.669	236	58.20	243
Okt. 6.9	22.566	231	68.69	177	24.905	277	55.77	241
16.9	22.797	263	66.92	187	25.182	317	53.36	234
26.8	23.060	293	65.05	192	25.499	351	51.02	220
Nov. 5.8	23.353	317	63.13	192	25.850	380	48.82	201
15.8	23.670	335	61.21	187	26.230	401	46.81	176
25.7	24.005	344	59.34	175	26.631	411	45.05	145
Dez. 5.7	24.349	342	57.59	158	27.042	411	43.60	108
15.7	24.691	331	56.01	134	27.453	397	42.52	68
25.7	25.022	309	54.67	107	27.850	370	41.84	24
35.6	25.331		53.60		28.220		41.60	
Mittl. Ort	21.345		83.76		23.999		75.87	
sec δ, tg δ	1.093		+0.441		1.374		+0.943	

Mittlere Zeit Greenw.	386) μ Ursae maj. AR.		386) μ Ursae maj. Dekl.		387) 30 H. Urs. maj. AR.		387) 30 H. Urs. maj. Dekl.	
	$10^h\ 17^m$	Diff.	+41° 52′	Diff.	$10^h\ 18^m$	Diff.	+65° 57′	Diff.
1922	s		″		s		″	
Jan. 0.6	42.213	344	74.19	10	32.58	56	19.90	91
10.6	42.557	299	74.09	34	33.14	48	20.81	143
20.6	42.856	245	74.43	74	33.62	40	22.24	188
30.6	43.101	186	75.17	110	34.02	29	24.12	225
Feb. 9.5	43.287	121	76.27	141	34.31	19	26.37	253
19.5	43.408	57	77.68	164	34.50	7	28.90	270
März 1.5	43.465	5	79.32	178	34.57	4	31.60	275
11.5	43.460	60	81.10	184	34.53	14	34.35	270
21.4	43.400	107	82.94	182	34.39	23	37.05	252
31.4	43.293	145	84.76	172	34.16	31	39.57	225
Apr. 10.4	43.148	174	86.48	154	33.85	36	41.82	191
20.3	42.974	191	88.02	132	33.49	40	43.73	150
30.3	42.783	199	89.34	104	33.09	42	45.23	104
Mai 10.3	42.584	199	90.38	74	32.67	43	46.27	55
20.3	42.385	190	91.12	43	32.24	42	46.82	6
30.2	42.195	176	91.55	9	31.82	39	46.88	44
Juni 9.2	42.019	156	91.64	23	31.43	35	46.44	91
19.2	41.863	132	91.41	55	31.08	31	45.53	135
29.2	41.731	103	90.86	85	30.77	26	44.18	177
Juli 9.1	41.628	74	90.01	113	30.51	20	42.41	213
19.1	41.554	42	88.88	139	30.31	13	40.28	245
29.1	41.512	8	87.49	162	30.18	7	37.83	271
Aug. 8.0	41.504	28	85.87	184	30.11	1	35.12	292
18.0	41.532	65	84.03	201	30.12	8	32.20	308
28.0	41.597	103	82.02	217	30.20	15	29.12	316
Sept. 7.0	41.700	143	79.85	229	30.35	23	25.96	320
16.9	41.843	184	77.56	236	30.58	30	22.76	317
26.9	42.027	226	75.20	241	30.88	37	19.59	307
Okt. 6.9	42.253	267	72.79	241	31.25	45	16.52	290
16.9	42.520	305	70.38	235	31.70	50	13.62	266
26.8	42.825	341	68.03	224	32.20	57	10.96	236
Nov. 5.8	43.166	370	65.79	206	32.77	62	8.60	199
15.8	43.536	392	63.73	182	33.39	64	6.61	155
25.7	43.928	404	61.91	153	34.03	67	5.06	106
Dez. 5.7	44.332	405	60.38	119	34.70	66	4.00	53
15.7	44.737	392	59.19	79	35.36	65	3.47	3
25.7	45.129	367	58.40	35	36.01	60	3.50	58
35.6	45.496		58.05		36.61		4.08	
Mittl. Ort	41.358		92.22		31.58		41.59	
sec δ, tg δ	1.343		+0.897		2.455		+2.242	

Mittlere Zeit Greenw.	389) μ. Hydrae AR.		389) μ. Hydrae Dekl.		391) J Carinae AR.		391) J Carinae Dekl.	
	$10^h\ 22^m$		−16° 26′		$10^h\ 22^m$		−73° 37′	
1922	s		″		s		″	
Jan. 0.7	20.279	269	17.83	251	55.72	62	53.02	304
10.6	20.548	232	20.34	250	56.34	51	56.06	341
20.6	20.780	188	22.84	242	56.85	38	59.47	366
30.6	20.968	140	25.26	228	57.23	24	63.13	382
Feb. 9.5	21.108	91	27.54	208	57.47	11	66.95	388
19.5	21.199	44	29.62	184	57.58	3	70.83	383
März 1.5	21.243	1	31.46	160	57.55	16	74.66	371
11.5	21.242	41	33.06	132	57.39	27	78.37	350
21.4	21.201	74	34.38	105	57.12	38	81.87	321
31.4	21.127	101	35.43	77	56.74	47	85.08	287
Apr. 10.4	21.026	119	36.20	50	56.27	55	87.95	246
20.3	20.907	133	36.70	23	55.72	60	90.41	201
30.3	20.774	138	36.93	4	55.12	65	92.42	152
Mai 10.3	20.636	139	36.89	28	54.47	68	93.94	99
20.3	20.497	135	36.61	52	53.79	68	94.93	46
30.2	20.362	127	36.09	73	53.11	69	95.39	8
Juni 9.2	20.235	115	35.36	94	52.42	66	95.31	63
19.2	20.120	101	34.42	112	51.76	62	94.68	115
29.2	20.019	84	33.30	126	51.14	56	93.53	164
Juli 9.1	19.935	64	32.04	136	50.58	49	91.89	209
19.1	19.871	42	30.68	144	50.09	41	89.80	247
29.1	19.829	17	29.24	145	49.68	31	87.33	277
Aug. 8.0	19.812	9	27.79	141	49.37	18	84.56	300
18.0	19.821	38	26.38	132	49.19	7	81.56	312
28.0	19.859	70	25.06	115	49.12	7	78.44	312
Sept. 7.0	19.929	105	23.91	93	49.19	20	75.32	302
16.9	20.034	140	22.98	66	49.39	34	72.30	281
26.9	20.174	176	22.32	33	49.73	47	69.49	248
Okt. 6.9	20.350	211	21.99	4	50.20	59	67.01	204
16.9	20.561	246	22.03	43	50.79	69	64.97	152
26.8	20.807	276	22.46	83	51.48	77	63.45	92
Nov. 5.8	21.083	300	23.29	124	52.25	83	62.53	29
15.8	21.383	317	24.53	159	53.08	85	62.24	38
25.8	21.700	325	26.12	191	53.93	86	62.62	104
Dez. 5.7	22.025	323	28.03	218	54.79	83	63.66	167
15.7	22.348	311	30.21	236	55.62	76	65.33	225
25.7	22.659	287	32.57	247	56.38	68	67.58	276
35.7	22.946		35.04		57.06		70.34	
Mittl. Ort	19.056		15.67		50.97		63.37	
sec δ, tg δ	1.043		−0.295		3.549		−3.405	

Mittlere Zeit Greenw.	390) 31 Leonis min. AR.		390) 31 Leonis min. Dekl.		392) Lac. α Antliae AR.		392) Lac. α Antliae Dekl.	
	$10^h\ 23^m$		+37° 5′		$10^h\ 23^m$		−30° 40′	
1922	s		″		s		″	
Jan. 0.7	23.558	330	69.74	37	36.298	284	10.88	286
10.6	23.888	288	69.37	5	36.582	243	13.74	297
20.6	24.176	238	69.42	45	36.825	194	16.71	298
30.6	24.414	182	69.87	81	37.019	143	19.69	292
Feb. 9.5	24.596	122	70.68	112	37.162	91	22.61	279
19.5	24.718	62	71.80	137	37.253	39	25.40	259
März 1.5	24.780	6	73.17	155	37.292	9	27.99	235
11.5	24.786	48	74.72	163	37.283	52	30.34	207
21.4	24.738	91	76.35	165	37.231	89	32.41	176
31.4	24.647	127	78.00	159	37.142	117	34.17	142
Apr. 10.4	24.520	154	79.59	147	37.025	139	35.59	109
20.3	24.366	171	81.06	128	36.886	154	36.68	73
30.3	24.195	180	82.34	106	36.732	163	37.41	37
Mai 10.3	24.015	180	83.40	79	36.569	165	37.78	1
20.3	23.835	173	84.19	52	36.404	162	37.79	34
30.2	23.662	160	84.71	23	36.242	155	37.45	68
Juni 9.2	23.502	143	84.94	6	36.087	143	36.77	100
19.2	23.359	121	84.88	35	35.944	129	35.77	130
29.2	23.238	97	84.53	63	35.815	111	34.47	155
Juli 9.1	23.141	71	83.90	89	35.704	88	32.92	177
19.1	23.070	41	83.01	114	35.616	64	31.15	193
29.1	23.029	11	81.87	137	35.552	36	29.22	202
Aug. 8.0	23.018	21	80.50	158	35.516	5	27.20	206
18.0	23.039	56	78.92	177	35.511	29	25.14	200
28.0	23.095	91	77.15	194	35.540	66	23.14	189
Sept. 7.0	23.186	129	75.21	208	35.606	106	21.25	167
16.9	23.315	167	73.13	219	35.712	147	19.58	138
26.9	23.482	206	70.94	227	35.859	188	18.20	103
Okt. 6.9	23.688	247	68.67	230	36.047	228	17.17	61
16.9	23.935	283	66.37	229	36.275	266	16.56	15
26.8	24.218	319	64.08	223	36.541	299	16.41	35
Nov. 5.8	24.537	347	61.85	210	36.840	325	16.76	85
15.8	24.884	370	59.75	191	37.165	342	17.61	133
25.8	25.254	382	57.84	167	37.507	350	18.94	179
Dez. 5.7	25.636	383	56.17	135	37.857	345	20.73	218
15.7	26.019	374	54.82	100	38.202	330	22.91	250
25.7	26.393	350	53.82	60	38.532	304	25.41	275
35.7	26.743		53.22		38.836		28.16	
Mittl. Ort	22.741		86.74		34.833		12.79	
sec δ, tg δ	1.254		+0.756		1.162		−0.593	

Mittlere Zeit Greenw.	393) s Carinae				394) 36 Ursae maj.				395) 9 H. Draconis				404) 33 Sextantis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	10h 25m		−58° 20′		10h 25m		+56° 22′		10h 28m		+76° 6′		10h 37m		−1° 19′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	3.257	389	18.66	313	39.616	442	31.35	46	31.61	91	33.31	115	27.110	277	58.33	202
10.6	3.646	324	21.79	342	40.058	387	31.81	95	32.52	79	34.46	169	27.387	244	60.35	189
20.6	3.970	251	25.21	361	40.445	319	32.76	141	33.31	65	36.15	217	27.631	203	62.24	170
30.6	4.221	175	28.82	371	40.764	242	34.17	180	33.96	49	38.32	255	27.834	159	63.94	148
Feb. 9.6	4.396	95	32.53	369	41.006	160	35.97	211	34.45	31	40.87	284	27.993	111	65.42	123
19.5	4.491	19	36.22	360	41.166	76	38.08	232	34.76	12	43.71	299	28.104	64	66.65	98
März 1.5	4.510	54	39.82	343	41.242	6	40.40	244	34.88	6	46.70	303	28.168	20	67.63	72
11.5	4.456	118	43.25	317	41.236	81	42.84	243	34.82	23	49.73	294	28.188	20	68.35	48
21.4	4.338	176	46.42	287	41.155	148	45.27	234	34.59	39	52.67	275	28.168	54	68.83	25
31.4	4.162	224	49.29	250	41.007	202	47.61	215	34.20	53	55.42	244	28.114	81	69.08	6
Apr. 10.4	3.938	263	51.79	208	40.805	245	49.76	187	33.67	63	57.86	204	28.033	102	69.14	13
20.4	3.675	292	53.87	164	40.560	273	51.63	154	33.04	71	59.90	159	27.931	116	69.01	28
30.3	3.383	311	55.51	117	40.287	289	53.17	116	32.33	75	61.49	108	27.815	123	68.73	41
Mai 10.3	3.072	324	56.68	67	39.998	293	54.33	74	31.58	78	62.57	54	27.692	126	68.32	51
20.3	2.748	326	57.35	16	39.705	286	55.07	30	30.80	77	63.11	1	27.566	123	67.81	62
30.2	2.422	320	57.51	34	39.419	269	55.37	14	30.03	74	63.10	55	27.443	116	67.19	68
Juni 9.2	2.102	306	57.17	83	39.150	245	55.23	57	29.29	69	62.55	107	27.327	106	66.51	74
19.2	1.796	286	56.34	130	38.905	213	54.66	98	28.60	62	61.48	156	27.221	94	65.77	78
29.2	1.510	257	55.04	174	38.692	176	53.68	136	27.98	52	59.92	200	27.127	79	64.99	80
Juli 9.1	1.253	220	53.30	212	38.516	136	52.32	171	27.46	43	57.92	241	27.048	61	64.19	79
19.1	1.033	176	51.18	244	38.380	91	50.61	203	27.03	32	55.51	274	26.987	42	63.40	75
29.1	0.857	126	48.74	269	38.289	43	48.58	230	26.71	20	52.77	302	26.945	21	62.65	69
Aug. 8.0	0.731	69	46.05	285	38.246	5	46.28	252	26.51	7	49.75	324	26.924	4	61.96	59
18.0	0.662	6	43.20	291	38.251	57	43.76	271	26.44	5	46.51	338	26.928	30	61.37	45
28.0	0.656	61	40.29	288	38.308	110	41.05	284	26.49	18	43.13	347	26.958	59	60.92	27
Sept. 7.0	0.717	131	37.41	273	38.418	165	38.21	292	26.67	31	39.66	348	27.017	91	60.65	7
16.9	0.848	202	34.68	247	38.583	219	35.29	294	26.98	44	36.18	341	27.108	124	60.58	18
26.9	1.050	272	32.21	212	38.802	275	32.35	292	27.42	57	32.77	328	27.232	159	60.76	46
Okt. 6.9	1.322	337	30.09	167	39.077	329	29.43	282	27.99	68	29.49	308	27.391	194	61.22	74
16.9	1.659	396	28.42	114	39.406	380	26.61	265	28.67	79	26.41	279	27.585	229	61.96	103
26.8	2.055	445	27.28	55	39.786	425	23.96	244	29.46	89	23.62	244	27.814	259	62.99	131
Nov. 5.8	2.500	481	26.73	7	40.211	466	21.52	214	30.35	97	21.18	201	28.073	286	64.30	158
15.8	2.981	501	26.80	71	40.677	494	19.38	177	31.32	102	19.17	152	28.359	307	65.88	179
25.8	3.482	507	27.51	134	41.171	511	17.61	136	32.34	106	17.65	98	28.666	318	67.67	196
Dez. 5.7	3.989	494	28.85	191	41.682	514	16.25	88	33.40	106	16.67	39	28.984	320	69.63	206
15.7	4.483	465	30.76	244	42.196	501	15.37	38	34.46	104	16.28	20	29.304	312	71.69	210
25.7	4.948	420	33.20	289	42.697	470	14.99	14	35.50	97	16.48	81	29.616	293	73.79	207
35.7	5.368		36.09		43.167		15.13		36.47		17.29		29.909		75.86	
Mittl. Ort	0.700		26.99		38.809		51.94		30.50		55.86		26.138		52.24	
sec δ, tg δ	1.905		−1.622		1.806		+1.504		4.167		+4.046		1.000		−0.023	

Mittlere Zeit Greenw.	406) ϑ Argus AR.		406) ϑ Argus Dekl.		407) 42 Leonis min. AR.		407) 42 Leonis min. Dekl.		408) μ Argus AR.		408) μ Argus Dekl.		409) l Leonis AR.		409) l Leonis Dekl.	
	$10^h 40^m$	Diff.	−63° 58′	Diff.	$10^h 41^m$	Diff.	+31° 5′	Diff.	$10^h 43^m$	Diff.	−49° 0′	Diff.	$10^h 45^m$	Diff.	+10° 57′	Diff.
1922	s		″		s		″		s		″		s		″	
Jan. 0.7	13.17	47	57.27	298	32.662	323	21.46	76	26.475	355	20.41	297	10.365	289	20.15	160
10.6	13.64	40	60.25	332	32.985	286	20.70	37	26.830	305	23.38	324	10.654	257	18.55	135
20.6	14.04	31	63.57	358	33.271	242	20.33	1	27.135	249	26.62	340	10.911	218	17.20	108
30.6	14.35	23	67.15	372	33.513	191	20.34	39	27.384	187	30.02	347	11.129	172	16.12	79
Feb. 9.6	14.58	14	70.87	377	33.704	137	20.73	73	27.571	123	33.49	346	11.301	124	15.33	50
19.5	14.72	5	74.64	374	33.841	81	21.46	101	27.694	59	36.95	335	11.425	77	14.83	22
März 1.5	14.77	4	78.38	360	33.922	27	22.47	123	27.753	0	40.30	318	11.502	30	14.61	4
11.5	14.73	12	81.98	339	33.949	21	23.70	137	27.753	54	43.48	295	11.532	12	14.65	25
21.4	14.61	18	85.37	312	33.928	64	25.07	145	27.699	103	46.43	265	11.520	47	14.90	43
31.4	14.43	25	88.49	279	33.864	99	26.52	146	27.596	143	49.08	231	11.473	77	15.33	57
Apr. 10.4	14.18	30	91.28	239	33.765	126	27.98	140	27.453	176	51.39	193	11.396	99	15.90	66
20.4	13.88	34	93.67	196	33.639	144	29.38	129	27.277	202	53.32	152	11.297	115	16.56	71
30.3	13.54	37	95.63	148	33.495	154	30.67	111	27.075	219	54.84	109	11.182	123	17.27	74
Mai 10.3	13.17	38	97.11	99	33.341	158	31.78	92	26.856	231	55.93	64	11.059	127	18.01	73
20.3	12.79	40	98.10	48	33.183	156	32.70	70	26.625	235	56.57	17	10.932	125	18.74	70
30.3	12.39	40	98.58	5	33.027	146	33.40	46	26.390	233	56.74	28	10.807	118	19.44	65
Juni 9.2	11.99	39	98.53	56	32.881	135	33.86	20	26.157	226	56.46	72	10.689	109	20.09	59
19.2	11.60	37	97.97	107	32.746	118	34.06	5	25.931	213	55.74	115	10.580	97	20.68	50
29.2	11.23	35	96.90	154	32.628	98	34.01	31	25.718	194	54.59	155	10.483	81	21.18	42
Juli 9.1	10.88	30	95.36	197	32.530	77	33.70	55	25.524	169	53.04	190	10.402	65	21.60	31
19.1	10.58	25	93.39	234	32.453	53	33.15	79	25.355	139	51.14	220	10.337	45	21.91	19
29.1	10.33	19	91.05	263	32.400	26	32.36	102	25.216	103	48.94	242	10.292	24	22.10	4
Aug. 8.1	10.14	13	88.42	286	32.374	2	31.34	123	25.113	62	46.52	257	10.268	0	22.14	10
18.0	10.01	5	85.56	297	32.376	32	30.11	145	25.051	15	43.95	264	10.268	26	22.04	28
28.0	9.96	3	82.59	299	32.408	65	28.66	164	25.036	37	41.31	260	10.294	55	21.76	46
Sept. 7.0	9.99	11	79.60	290	32.473	101	27.02	181	25.073	91	38.71	246	10.349	86	21.30	68
16.9	10.10	20	76.70	269	32.574	137	25.21	197	25.164	148	36.25	223	10.435	120	20.62	89
26.9	10.30	29	74.01	237	32.711	176	23.24	209	25.312	205	34.02	191	10.555	155	19.73	111
Okt. 6.9	10.59	37	71.64	196	32.887	215	21.15	219	25.517	261	32.11	148	10.710	191	18.62	133
16.9	10.96	44	69.68	146	33.102	253	18.96	225	25.778	312	30.63	99	10.901	226	17.29	154
26.8	11.40	51	68.22	89	33.355	288	16.71	224	26.090	358	29.64	44	11.127	258	15.75	173
Nov. 5.8	11.91	55	67.33	25	33.643	319	14.47	219	26.448	393	29.20	14	11.385	287	14.02	186
15.8	12.46	58	67.08	38	33.962	344	12.28	207	26.841	418	29.34	74	11.672	309	12.16	196
25.8	13.04	59	67.46	103	34.306	359	10.21	189	27.259	428	30.08	131	11.981	323	10.20	199
Dez. 5.7	13.63	58	68.49	164	34.665	364	8.32	164	27.687	426	31.39	186	12.304	328	8.21	196
15.7	14.21	55	70.13	221	35.029	358	6.68	133	28.113	409	33.25	234	12.632	321	6.25	187
25.7	14.76	51	72.34	270	35.387	340	5.35	100	28.522	377	35.59	275	12.953	305	4.38	171
35.7	15.27		75.04		35.727		4.35		28.899		38.34		13.258		2.67	
Mittl. Ort	10.24		67.69		31.952		36.85		24.562		28.19		9.544		29.77	
sec δ, tg δ	2.280		−2.049		1.168		+0.603		1.524		−1.150		1.019		+0.193	

Mittlere Zeit Greenw.	415) *i* Velorum AR.		415) *i* Velorum Dekl.		416) β Ursae maj. AR.		416) β Ursae maj. Dekl.	
1922	$10^h 56^m$		−41° 48′		$10^h 57^m$		+56° 47′	
	s		″		s		″	
Jan. 0.7	35.895	338	19.33	283	9.194	471	42.29	13
10.6	36.233	297	22.16	306	9.665	425	42.42	66
20.6	36.530	248	25.22	319	10.090	364	43.08	117
30.6	36.778	193	28.41	325	10.454	294	44.25	162
Feb. 9.6	36.971	137	31.66	320	10.748	214	45.87	201
19.5	37.108	80	34.86	310	10.962	131	47.88	229
März 1.5	37.188	27	37.96	292	11.093	49	50.17	247
11.5	37.215	23	40.88	269	11.142	29	52.64	254
21.4	37.192	67	43.57	240	11.113	100	55.18	251
31.4	37.125	103	45.97	209	11.013	160	57.69	238
Apr. 10.4	37.022	134	48.06	174	10.853	211	60.07	216
20.4	36.888	157	49.80	136	10.642	248	62.23	185
30.3	36.731	174	51.16	97	10.394	274	64.08	149
Mai 10.3	36.557	186	52.13	56	10.120	287	65.57	109
20.3	36.371	191	52.69	14	9.833	289	66.66	65
30.2	36.180	191	52.83	26	9.544	282	67.31	20
Juni 9.2	35.989	187	52.57	67	9.262	267	67.51	25
19.2	35.802	177	51.90	105	8.995	244	67.26	69
29.2	35.625	163	50.85	141	8.751	214	66.57	111
Juli 9.1	35.462	144	49.44	172	8.537	180	65.46	151
19.1	35.318	121	47.72	198	8.357	140	63.95	186
29.1	35.197	92	45.74	219	8.217	98	62.09	219
Aug. 8.1	35.105	58	43.55	231	8.119	52	59.90	247
18.0	35.047	19	41.24	237	8.067	2	57.43	271
28.0	35.028	23	38.87	232	8.065	51	54.72	289
Sept. 7.0	35.051	71	36.55	220	8.116	106	51.83	302
17.0	35.122	120	34.35	198	8.222	163	48.81	309
26.9	35.242	172	32.37	166	8.385	222	45.72	312
Okt. 6.9	35.414	222	30.71	127	8.607	281	42.60	307
16.9	35.636	271	29.44	81	8.888	338	39.53	294
26.9	35.907	314	28.63	30	9.226	391	36.59	276
Nov. 5.8	36.221	349	28.33	25	9.617	439	33.83	249
15.8	36.570	375	28.58	79	10.056	478	31.34	215
25.8	36.945	390	29.37	133	10.534	504	29.19	174
Dez. 5.8	37.335	391	30.70	183	11.038	517	27.45	127
15.7	37.726	381	32.53	227	11.555	514	26.18	76
25.7	38.107	356	34.80	264	12.069	495	25.42	21
35.7	38.463		37.44		12.564		25.21	
Mittl. Ort	34.322		26.23		8.752		62.92	
sec δ, tg δ	1.342		−0.895		1.826		+1.528	

Mittlere Zeit Greenw.	417) α Ursae maj. AR.		417) α Ursae maj. Dekl.		418) χ Leonis AR.		418) χ Leonis Dekl.	
1922	$10^h 58^m$		+62° 9′		$11^h 0^m$		+7° 45′	
	s		″		s		″	
Jan. 0.7	56.07	54	59.17	29	60.450	294	20.68	176
10.6	56.61	48	59.46	86	60.744	264	18.92	154
20.6	57.09	42	60.32	138	61.008	227	17.38	129
30.6	57.51	33	61.70	183	61.235	184	16.09	101
Feb. 9.6	57.84	25	63.53	222	61.419	137	15.08	72
19.5	58.09	15	65.75	250	61.556	91	14.36	44
März 1.5	58.24	5	68.25	266	61.647	45	13.92	17
11.5	58.29	4	70.91	272	61.692	4	13.75	6
21.4	58.25	12	73.63	267	61.696	33	13.81	27
31.4	58.13	20	76.30	250	61.663	62	14.08	42
Apr. 10.4	57.93	25	78.80	224	61.601	87	14.50	55
20.4	57.68	31	81.04	192	61.514	103	15.05	63
30.3	57.37	33	82.96	151	61.411	115	15.68	69
Mai 10.3	57.04	35	84.47	107	61.296	120	16.37	71
20.3	56.69	35	85.54	61	61.176	121	17.08	71
30.2	56.34	35	86.15	12	61.055	117	17.79	69
Juni 9.2	55.99	33	86.27	36	60.938	111	18.48	65
19.2	55.66	31	85.91	83	60.827	102	19.13	59
29.2	55.35	27	85.08	127	60.725	89	19.72	53
Juli 9.1	55.08	22	83.81	169	60.636	74	20.25	44
19.1	54.86	18	82.12	207	60.562	58	20.69	33
29.1	54.68	14	80.05	240	60.504	38	21.02	21
Aug. 8.1	54.54	7	77.65	268	60.466	16	21.23	7
18.0	54.47	2	74.97	292	60.450	10	21.30	11
28.0	54.45	5	72.05	309	60.460	37	21.19	28
Sept. 7.0	54.50	11	68.96	321	60.497	69	20.91	50
17.0	54.61	18	65.75	327	60.566	103	20.41	72
26.9	54.79	25	62.48	327	60.669	138	19.69	96
Okt. 6.9	55.04	31	59.21	318	60.807	175	18.73	120
16.9	55.35	39	56.03	304	60.982	212	17.53	143
26.9	55.74	44	52.99	281	61.194	246	16.10	165
Nov. 5.8	56.18	50	50.18	250	61.440	276	14.45	182
15.8	56.68	54	47.68	213	61.716	302	12.63	195
25.8	57.22	57	45.55	168	62.018	318	10.68	202
Dez. 5.8	57.79	59	43.87	117	62.336	325	8.66	204
15.7	58.38	59	42.70	63	62.661	321	6.62	197
25.7	58.97	56	42.07	5	62.982	308	4.65	186
35.7	59.53		42.02		63.290		2.79	
Mittl. Ort	55.68		80.56		59.690		28.81	
sec δ, tg δ	2.142		+1.894		1.009		+0.136	

Mittlere Zeit Greenw.	420) ψ Ursae maj. AR.		Dekl.		421) β Crateris AR.		Dekl.		422) δ Leonis AR.		Dekl.		423) θ Leonis AR.		Dekl.	
1922	11h 5m		+44° 54′		11h 7m		−22° 23′		11h 9m		+20° 56′		11h 10m		+15° 50′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	17.557	388	60.67	41	50.259	304	56.94	253	58.368	314	52.64	134	9.572	307	71.72	152
10.7	17.945	352	60.26	7	50.563	272	59.47	261	58.682	286	51.30	102	9.879	278	70.20	123
20.6	18.297	304	60.33	56	50.835	232	62.08	260	58.968	249	50.28	66	10.157	242	68.97	92
30.6	18.601	249	60.89	101	51.067	189	64.68	252	59.217	204	49.62	30	10.399	198	68.05	59
Feb. 9.6	18.850	187	61.90	140	51.256	140	67.20	239	59.421	156	49.32	4	10.597	152	67.46	25
19.5	19.037	122	63.30	171	51.396	93	69.59	220	59.577	106	49.36	35	10.749	103	67.21	4
März 1.5	19.159	58	65.01	195	51.489	48	71.79	199	59.683	58	49.71	63	10.852	56	67.25	32
11.5	19.217	2	66.96	209	51.537	6	73.78	173	59.741	13	50.34	85	10.908	15	67.57	55
21.5	19.215	57	69.05	213	51.543	32	75.51	147	59.754	27	51.19	100	10.923	25	68.12	73
31.4	19.158	103	71.18	209	51.511	62	76.98	119	59.727	61	52.19	110	10.898	58	68.85	85
Apr. 10.4	19.055	142	73.27	195	51.449	88	78.17	91	59.666	87	53.29	115	10.840	83	69.70	93
20.4	18.913	170	75.22	175	51.361	107	79.08	63	59.579	108	54.44	113	10.757	103	70.63	96
30.4	18.743	190	76.97	148	51.254	120	79.71	34	59.471	122	55.57	107	10.654	116	71.59	93
Mai 10.3	18.553	200	78.45	118	51.134	129	80.05	6	59.349	128	56.64	98	10.538	123	72.52	89
20.3	18.353	204	79.63	83	51.005	133	80.11	20	59.221	132	57.62	85	10.415	124	73.41	82
30.3	18.149	199	80.46	47	50.872	133	79.91	47	59.089	129	58.47	69	10.291	123	74.23	70
Juni 9.2	17.950	189	80.93	9	50.739	130	79.44	72	58.960	122	59.16	53	10.168	117	74.93	59
19.2	17.761	173	81.02	28	50.609	123	78.72	95	58.838	113	59.69	34	10.051	108	75.52	46
29.2	17.588	153	80.74	64	50.486	112	77.77	114	58.725	100	60.03	16	9.943	96	75.98	30
Juli 9.2	17.435	130	80.10	99	50.374	99	76.63	132	58.625	85	60.19	4	9.847	82	76.28	15
19.1	17.305	103	79.11	133	50.275	83	75.31	145	58.540	68	60.15	25	9.765	66	76.43	1
29.1	17.202	72	77.78	163	50.192	62	73.86	152	58.472	47	59.90	45	9.699	46	76.42	19
Aug. 8.1	17.130	39	76.15	191	50.130	37	72.34	155	58.425	24	59.45	65	9.653	23	76.23	38
18.1	17.091	3	74.24	215	50.093	10	70.79	153	58.401	1	58.80	87	9.630	1	75.85	57
28.0	17.088	36	72.09	237	50.083	22	69.26	142	58.402	31	57.93	108	9.631	30	75.28	78
Sept. 7.0	17.124	78	69.72	255	50.105	58	67.84	126	58.433	63	56.85	129	9.661	62	74.50	99
17.0	17.202	124	67.17	268	50.163	97	66.58	103	58.496	99	55.56	149	9.723	96	73.51	121
26.9	17.326	171	64.49	276	50.260	137	65.55	73	58.595	135	54.07	169	9.819	132	72.30	142
Okt. 6.9	17.497	218	61.73	280	50.397	179	64.82	38	58.730	175	52.38	186	9.951	171	70.88	161
16.9	17.715	265	58.93	277	50.576	220	64.44	0	58.905	213	50.52	201	10.122	208	69.27	180
26.9	17.980	310	56.16	268	50.796	258	64.44	42	59.118	251	48.51	212	10.330	245	67.47	195
Nov. 5.8	18.290	351	53.48	252	51.054	290	64.86	85	59.369	283	46.39	218	10.575	278	65.52	205
15.8	18.641	383	50.96	229	51.344	316	65.71	125	59.652	311	44.21	217	10.853	304	63.47	210
25.8	19.024	407	48.67	198	51.660	333	66.96	164	59.963	331	42.04	211	11.157	323	61.37	210
Dez. 5.8	19.431	420	46.69	161	51.993	338	68.60	198	60.294	341	39.93	198	11.480	333	59.27	202
15.7	19.851	420	45.08	118	52.331	334	70.58	224	60.635	340	37.95	178	11.813	332	57.25	187
25.7	20.271	405	43.90	71	52.665	318	72.82	244	60.975	328	36.17	153	12.145	320	55.38	167
35.7	20.676		43.19		52.983		75.26		61.303		34.64		12.465		53.71	
Mittl. Ort	17.117		79.01		49.175		58.89		57.775		64.61		8.937		82.12	
sec δ, tg δ	1.412		+0.997		1.082		—0.412		1.071		+0.383		1.039		+0.284	

Mittlere Zeit Greenw.	425) ν Ursae maj.				426) δ Crateris				427) σ Leonis				428) π Centauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$11^h\ 14^m$		$+33°\ 30'$		$11^h\ 15^m$		$-14°\ 21'$		$11^h\ 17^m$		$+6°\ 27'$		$11^h\ 17^m$		$-54°\ 3'$	
Jan. 0.7	16.688	346	56.90	91	27.290	300	22.79	235	7.602	301	18.16	184	28.539	420	37.06	267
10.7	17.034	315	55.99	50	27.590	271	25.14	235	7.903	274	16.32	163	28.959	374	39.73	302
20.6	17.349	276	55.49	5	27.861	235	27.49	228	8.177	238	14.69	139	29.333	318	42.75	327
30.6	17.625	227	55.44	36	28.096	193	29.77	215	8.415	198	13.30	111	29.651	255	46.02	343
Feb. 9.6	17.852	176	55.80	75	28.289	147	31.92	197	8.613	153	12.19	83	29.906	189	49.45	350
19.5	18.028	119	56.55	109	28.436	101	33.89	176	8.766	107	11.36	53	30.095	121	52.95	349
März 1.5	18.147	66	57.64	135	28.537	57	35.65	153	8.873	62	10.83	27	30.216	57	56.44	338
11.5	18.213	15	58.99	155	28.594	16	37.18	127	8.935	20	10.56	1	30.273	5	59.82	322
21.5	18.228	31	60.54	166	28.610	20	38.45	102	8.955	16	10.55	19	30.268	61	63.04	298
31.4	18.197	71	62.20	169	28.590	50	39.47	77	8.939	48	10.74	37	30.207	111	66.02	269
Apr. 10.4	18.126	103	63.89	165	28.540	76	40.24	52	8.891	72	11.11	51	30.096	152	68.71	236
20.4	18.023	127	65.54	155	28.464	94	40.76	28	8.819	92	11.62	61	29.944	189	71.07	197
30.4	17.896	144	67.09	139	28.370	108	41.04	6	8.727	105	12.23	68	29.755	217	73.04	157
Mai 10.3	17.752	154	68.48	117	28.262	116	41.10	15	8.622	112	12.91	71	29.538	238	74.61	112
20.3	17.598	157	69.65	93	28.146	121	40.95	36	8.510	116	13.62	73	29.300	253	75.73	66
30.3	17.441	155	70.58	66	28.025	122	40.59	55	8.394	116	14.35	71	29.047	262	76.39	19
Juni 9.2	17.286	149	71.24	38	27.903	119	40.04	72	8.278	111	15.06	68	28.785	263	76.58	28
19.2	17.137	138	71.62	8	27.784	113	39.32	87	8.167	105	15.74	63	28.522	258	76.30	74
29.2	16.999	124	71.70	21	27.671	104	38.45	100	8.062	95	16.37	57	28.264	247	75.56	119
Juli 9.2	16.875	106	71.49	50	27.567	92	37.45	110	7.967	83	16.94	49	28.017	227	74.37	159
19.1	16.769	86	70.99	78	27.475	78	36.35	117	7.884	69	17.43	39	27.790	201	72.78	196
29.1	16.683	63	70.21	105	27.397	59	35.18	120	7.815	50	17.82	27	27.589	166	70.82	226
Aug. 8.1	16.620	36	69.16	131	27.338	37	33.98	118	7.765	30	18.09	13	27.423	125	68.56	249
18.1	16.584	7	67.85	156	27.301	12	32.80	111	7.735	6	18.22	3	27.298	76	66.07	264
28.0	16.577	25	66.29	178	27.289	18	31.69	100	7.729	21	18.19	22	27.222	21	63.43	269
Sept. 7.0	16.602	62	64.51	199	27.307	51	30.69	81	7.750	53	17.97	43	27.201	41	60.74	265
17.0	16.664	100	62.52	216	27.358	87	29.88	59	7.803	86	17.54	66	27.242	106	58.09	249
26.9	16.764	140	60.36	232	27.445	126	29.29	30	7.889	123	16.88	90	27.348	173	55.60	225
Okt. 6.9	16.904	184	58.04	243	27.571	167	28.99	1	8.012	161	15.98	114	27.521	240	53.35	189
16.9	17.088	226	55.61	248	27.738	205	29.00	37	8.173	199	14.84	139	27.761	304	51.46	145
26.9	17.314	266	53.13	250	27.943	243	29.37	73	8.372	235	13.45	161	28.065	361	50.01	94
Nov. 5.8	17.580	304	50.63	244	28.186	276	30.10	109	8.607	268	11.84	180	28.426	410	49.07	38
15.8	17.884	335	48.19	233	28.462	303	31.19	144	8.875	295	10.04	195	28.836	445	48.69	22
25.8	18.219	357	45.86	213	28.765	320	32.63	174	9.170	315	8.09	204	29.281	467	48.91	81
Dez. 5.8	18.576	369	43.73	187	29.085	329	34.37	200	9.485	324	6.05	208	29.748	475	49.72	140
15.7	18.945	371	41.86	154	29.414	326	36.37	219	9.809	324	3.97	203	30.223	464	51.12	193
25.7	19.316	360	40.32	117	29.740	313	38.56	230	10.133	313	1.94	193	30.687	440	53.05	241
35.7	19.676		39.15		30.053		40.86		10.446		0.01		31.127		55.46	
Mittl. Ort	16.229		72.33		26.366		22.52		6.922		25.31		26.637		48.22	
sec δ, tg δ	1.199		+0.663		1.032		—0.256		1.006		+0.113		1.704		—1.380	

Mittlere Zeit Greenw.	429) Gr. 1771				433) λ Draconis				434) ξ Hydrae				436) λ Centauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	11h 18m		+64° 44′		11h 26m		+69° 45′		11h 29m		−31° 25′		11h 32m		−62° 35′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	14.15	60	65.85	15	47.33	72	20.21	19	10.827	331	27.39	253	12.80	53	3.53	246
10.7	14.75	54	66.00	74	48.05	66	20.40	81	11.158	301	29.92	271	13.33	47	5.99	287
20.6	15.29	48	66.74	129	48.71	59	21.21	139	11.459	261	32.63	280	13.80	40	8.86	321
30.6	15.77	40	68.03	180	49.30	48	22.60	189	11.720	217	35.43	281	14.20	34	12.07	344
Feb. 9.6	16.17	30	69.83	221	49.78	38	24.49	233	11.937	169	38.24	275	14.54	25	15.51	359
19.6	16.47	20	72.04	253	50.16	26	26.82	266	12.106	120	40.99	263	14.79	17	19.10	364
März 1.5	16.67	9	74.57	274	50.42	13	29.48	287	12.226	72	43.62	246	14.96	9	22.74	361
11.5	16.76	0	77.31	283	50.55	1	32.35	297	12.298	27	46.08	224	15.05	2	26.35	350
21.5	16.76	10	80.14	281	50.56	11	35.32	294	12.325	13	48.32	199	15.07	6	29.85	331
31.5	16.66	18	82.95	267	50.45	21	38.26	280	12.312	47	50.31	172	15.01	12	33.16	306
Apr. 10.4	16.48	25	85.62	244	50.24	31	41.06	255	12.265	77	52.03	143	14.89	18	36.22	275
20.4	16.23	31	88.06	212	49.93	39	43.61	222	12.188	102	53.46	111	14.71	23	38.97	238
30.4	15.92	35	90.18	173	49.54	44	45.83	182	12.086	119	54.57	79	14.48	27	41.35	198
Mai 10.3	15.57	38	91.91	128	49.10	48	47.65	134	11.967	133	55.36	46	14.21	30	43.33	154
20.3	15.19	40	93.19	81	48.62	50	48.99	85	11.834	143	55.82	14	13.91	34	44.87	106
30.3	14.79	39	94.00	31	48.12	51	49.84	33	11.691	148	55.96	19	13.57	35	45.93	56
Juni 9.2	14.40	38	94.31	19	47.61	50	50.17	20	11.543	148	55.77	50	13.22	36	46.49	6
19.2	14.02	36	94.12	68	47.11	47	49.97	72	11.395	146	55.27	81	12.86	35	46.55	45
29.2	13.66	33	93.44	116	46.64	44	49.25	121	11.249	140	54.46	109	12.51	35	46.10	94
Juli 9.2	13.33	28	92.28	160	46.20	39	48.04	168	11.109	128	53.37	134	12.16	33	45.16	141
19.1	13.05	25	90.68	202	45.81	33	46.36	211	10.981	114	52.03	156	11.83	30	43.75	183
29.1	12.80	19	88.66	238	45.48	27	44.25	249	10.867	94	50.47	171	11.53	25	41.92	220
Aug. 8.1	12.61	13	86.28	269	45.21	20	41.76	282	10.773	70	48.76	182	11.28	21	39.72	250
18.1	12.48	6	83.59	296	45.01	13	38.94	309	10.703	41	46.94	186	11.07	14	37.22	273
28.0	12.42	1	80.63	317	44.88	4	35.85	331	10.662	6	45.08	182	10.93	7	34.49	284
Sept. 7.0	12.41	7	77.46	331	44.84	5	32.54	346	10.656	33	43.26	172	10.86	1	31.65	288
17.0	12.48	15	74.15	340	44.89	14	29.08	354	10.689	76	41.54	152	10.87	9	28.77	278
26.9	12.63	22	70.75	341	45.03	24	25.54	354	10.765	121	40.02	126	10.96	18	25.99	259
Okt. 6.9	12.85	29	67.34	335	45.27	32	22.00	348	10.886	168	38.76	92	11.14	26	23.40	228
16.9	13.14	37	63.99	322	45.59	42	18.52	332	11.054	215	37.84	53	11.40	35	21.12	187
26.9	13.51	45	60.77	300	46.01	51	15.20	310	11.269	259	37.31	10	11.75	42	19.25	139
Nov. 5.8	13.96	51	57.77	271	46.52	60	12.10	278	11.528	296	37.21	38	12.17	49	17.86	82
15.8	14.47	56	55.06	234	47.12	65	9.32	239	11.824	328	37.59	84	12.66	54	17.04	22
25.8	15.03	61	52.72	188	47.77	72	6.93	192	12.152	348	38.43	130	13.20	56	16.82	40
Dez. 5.8	15.64	62	50.84	137	48.49	74	5.01	138	12.500	359	39.73	172	13.76	58	17.22	102
15.7	16.26	64	49.47	81	49.23	76	3.63	80	12.859	357	41.45	208	14.34	58	18.24	162
25.7	16.90	62	48.66	22	49.99	74	2.83	18	13.216	344	43.53	238	14.92	54	19.86	214
35.7	17.52		48.44		50.73		2.65		13.560		45.91		15.46		22.00	
Mittl. Ort	14.08		87.40		47.53		42.17		9.704		33.26		10.51		17.31	
sec δ, tg δ	2.345		+2.121		2.891		+2.712		1.172		−0.611		2.172		−1.928	

Mittlere Zeit Greenw.	437) υ Leonis				440) 3 Draconis				441) χ Ursae maj.				444) β Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	11h 32m		−0° 23′		11h 38m		+67° 9′		11h 41m		+48° 12′		11h 45m		+15° 0′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	57.960	305	39.17	204	7.89	65	74.82	3	56.366	422	24.57	68	5.384	318	20.33	170
10.7	58.265	280	41.21	190	8.54	62	74.79	59	56.788	394	23.89	14	5.702	296	18.63	141
20.7	58.545	247	43.11	172	9.16	54	75.38	117	57.182	353	23.75	40	5.998	264	17.22	109
30.6	58.792	208	44.83	149	9.70	47	76.55	171	57.535	302	24.15	90	6.262	226	16.13	74
Feb. 9.6	59.000	165	46.32	123	10.17	36	78.26	216	57.837	242	25.05	137	6.488	182	15.39	40
19.6	59.165	121	47.55	96	10.53	26	80.42	253	58.079	177	26.42	175	6.670	138	14.99	7
März 1.5	59.286	77	48.51	70	10.79	16	82.95	278	58.256	112	28.17	206	6.808	91	14.92	24
11.5	59.363	37	49.21	44	10.95	4	85.73	291	58.368	47	30.23	225	6.899	49	15.16	50
21.5	59.400	0	49.65	20	10.99	7	88.64	292	58.415	13	32.48	236	6.948	9	15.66	71
31.5	59.400	32	49.85	0	10.92	16	91.56	283	58.402	67	34.84	237	6.957	25	16.37	87
Apr. 10.4	59.368	57	49.85	18	10.76	25	94.39	261	58.335	113	37.21	227	6.932	53	17.24	97
20.4	59.311	78	49.67	33	10.51	31	97.00	232	58.222	150	39.48	210	6.879	77	18.21	103
30.4	59.233	93	49.34	45	10.20	38	99.32	194	58.072	180	41.58	184	6.802	95	19.24	104
Mai 10.4	59.140	104	48.89	55	9.82	41	101.26	150	57.892	199	43.42	154	6.707	107	20.28	100
20.3	59.036	109	48.34	62	9.41	43	102.76	103	57.693	213	44.96	118	6.600	115	21.28	93
30.3	58.927	112	47.72	68	8.98	44	103.79	51	57.480	217	46.14	80	6.485	119	22.21	83
Juni 9.3	58.815	111	47.04	70	8.54	44	104.30	0	57.263	215	46.94	39	6.366	119	23.04	71
19.2	58.704	107	46.34	72	8.10	42	104.30	51	57.048	207	47.33	2	6.247	115	23.75	58
29.2	58.597	100	45.62	72	7.68	39	103.79	101	56.841	194	47.31	44	6.132	110	24.33	42
Juli 9.2	58.497	91	44.90	69	7.29	36	102.78	149	56.647	177	46.87	84	6.022	102	24.75	26
19.1	58.406	79	44.21	65	6.93	31	101.29	192	56.470	154	46.03	122	5.920	89	25.01	8
29.1	58.327	63	43.56	57	6.62	26	99.37	232	56.316	127	44.81	158	5.831	74	25.09	11
Aug. 8.1	58.264	45	42.99	47	6.36	20	97.05	267	56.189	97	43.23	192	5.757	56	24.98	31
18.1	58.219	22	42.52	34	6.16	13	94.38	296	56.092	61	41.31	221	5.701	33	24.67	51
28.0	58.197	6	42.18	17	6.03	6	91.42	321	56.031	21	39.10	248	5.668	7	24.16	73
Sept. 7.0	58.203	35	42.01	2	5.97	1	88.21	338	56.010	22	36.62	270	5.661	23	23.43	95
17.0	58.238	70	42.03	25	5.98	10	84.83	350	56.032	69	33.92	288	5.684	58	22.48	118
27.0	58.308	107	42.28	50	6.08	18	81.33	354	56.101	121	31.04	300	5.742	95	21.30	141
Okt. 6.9	58.415	146	42.78	77	6.26	27	77.79	350	56.222	174	28.04	307	5.837	135	19.89	163
16.9	58.561	186	43.55	105	6.53	36	74.29	338	56.396	227	24.97	307	5.972	176	18.26	182
26.9	58.747	224	44.60	132	6.89	43	70.91	319	56.623	281	21.90	301	6.148	216	16.44	200
Nov. 5.9	58.971	259	45.92	158	7.32	52	67.72	291	56.904	329	18.89	286	6.364	254	14.44	212
15.8	59.230	288	47.50	178	7.84	58	64.81	255	57.233	372	16.03	263	6.618	285	12.32	220
25.8	59.518	309	49.28	196	8.42	63	62.26	210	57.605	406	13.40	233	6.903	311	10.12	221
Dez. 5.8	59.827	321	51.24	207	9.05	66	60.16	158	58.011	429	11.07	195	7.214	326	7.91	216
15.7	60.148	324	53.31	211	9.71	69	58.58	102	58.440	439	9.12	150	7.540	332	5.75	203
25.7	60.472	315	55.42	209	10.40	68	57.56	41	58.879	434	7.62	100	7.872	327	3.72	184
35.7	60.787		57.51		11.08		57.15		59.313		6.62		8.199		1.88	
Mittl. Ort	57.299		34.94		8.20		96.32		56.299		42.89		4.955		29.30	
sec δ, tg δ	1.000		−0.007		2.578		+2.376		1.501		+1.119		1.035		+0.268	

Mittlere Zeit Greenw.	445) β Virginis AR.		445) β Virginis Dekl.		447) γ Ursae maj. AR.		447) γ Ursae maj. Dekl.		450) ο Virginis AR.		450) ο Virginis Dekl.		452) δ Centauri AR.		452) δ Centauri Dekl.	
1922	11h 46m		+2° 11′		11h 49m		+54° 7′		12h 1m		+9° 9′		12h 4m		−50° 17′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	38.491	311	70.88	200	44.023	469	22.93	58	14.584	317	51.55	188	19.859	431	3.87	223
10.7	38.802	289	68.88	185	44.492	443	22.35	0	14.901	298	49.67	165	20.290	400	6.10	259
20.7	39.091	259	67.03	163	44.935	399	22.35	56	15.199	269	48.02	138	20.690	358	8.69	288
30.6	39.350	221	65.40	139	45.334	344	22.91	110	15.468	234	46.64	107	21.048	308	11.57	308
Feb. 9.6	39.571	179	64.01	111	45.678	279	24.01	158	15.702	193	45.57	75	21.356	252	14.65	319
19.6	39.750	136	62.90	83	45.957	207	25.59	197	15.895	150	44.82	43	21.608	195	17.84	324
März 1.6	39.886	93	62.07	55	46.164	134	27.56	229	16.045	107	44.39	14	21.803	136	21.08	320
11.5	39.979	52	61.52	29	46.298	61	29.85	250	16.152	66	44.25	15	21.939	79	24.28	310
21.5	40.031	15	61.23	5	46.359	8	32.35	259	16.218	27	44.40	38	22.018	27	27.38	292
31.5	40.046	17	61.18	14	46.351	71	34.94	258	16.245	6	44.78	57	22.045	21	30.30	271
Apr. 10.4	40.029	45	61.32	32	46.280	126	37.52	246	16.239	36	45.35	71	22.024	66	33.01	243
20.4	39.984	66	61.64	45	46.154	172	39.98	227	16.203	60	46.06	82	21.958	104	35.44	213
30.4	39.918	84	62.09	56	45.982	207	42.25	199	16.143	78	46.88	87	21.854	137	37.57	178
Mai 10.4	39.834	95	62.65	63	45.775	233	44.24	164	16.065	93	47.75	88	21.717	166	39.35	140
20.3	39.739	104	63.28	68	45.542	250	45.88	124	15.972	102	48.63	87	21.551	189	40.75	100
30.3	39.635	108	63.96	70	45.292	258	47.12	83	15.870	110	49.50	83	21.362	207	41.75	57
Juni 9.3	39.527	109	64.66	71	45.034	259	47.95	38	15.760	112	50.33	76	21.155	220	42.32	15
19.2	39.418	107	65.37	69	44.775	251	48.33	7	15.648	113	51.09	68	20.935	227	42.47	29
29.2	39.311	103	66.06	66	44.524	238	48.26	52	15.535	110	51.77	57	20.708	228	42.18	72
Juli 9.2	39.208	95	66.72	60	44.286	219	47.74	97	15.425	104	52.34	45	20.480	222	41.46	111
19.2	39.113	85	67.32	54	44.067	194	46.77	138	15.321	96	52.79	32	20.258	210	40.35	149
29.1	39.028	71	67.86	44	43.873	163	45.39	176	15.225	83	53.11	17	20.048	188	38.86	183
Aug. 8.1	38.957	54	68.30	33	43.710	129	43.63	212	15.142	67	53.28	1	19.860	160	37.03	209
18.1	38.903	32	68.63	18	43.581	89	41.51	244	15.075	46	53.27	18	19.700	124	34.94	229
28.1	38.871	6	68.81	1	43.492	44	39.07	271	15.029	22	53.09	39	19.576	78	32.65	242
Sept. 7.0	38.865	23	68.82	19	43.448	6	36.36	294	15.007	7	52.70	60	19.498	26	30.23	246
17.0	38.888	58	68.63	42	43.454	59	33.42	311	15.014	41	52.10	83	19.472	33	27.77	238
27.0	38.946	95	68.21	67	43.513	117	30.31	323	15.055	78	51.27	107	19.505	95	25.39	223
Okt. 6.9	39.041	134	67.54	92	43.630	177	27.08	327	15.133	119	50.20	131	19.600	162	23.16	196
16.9	39.175	175	66.62	119	43.807	237	23.81	326	15.252	160	48.89	154	19.762	227	21.20	161
26.9	39.350	214	65.43	144	44.044	297	20.55	316	15.412	201	47.35	176	19.989	289	19.59	118
Nov. 5.9	39.564	252	63.99	168	44.341	353	17.39	298	15.613	240	45.59	194	20.278	344	18.41	68
15.8	39.816	282	62.31	186	44.694	403	14.41	272	15.853	274	43.65	207	20.622	391	17.73	16
25.8	40.098	306	60.45	201	45.097	443	11.69	238	16.127	300	41.58	215	21.013	424	17.57	40
Dez. 5.8	40.404	322	58.44	210	45.540	470	9.31	195	16.427	319	39.43	217	21.437	445	17.97	96
15.8	40.726	326	56.34	212	46.010	485	7.36	147	16.746	327	37.26	211	21.882	451	18.93	148
25.7	41.052	320	54.22	206	46.495	481	5.89	93	17.073	324	35.15	198	22.333	441	20.41	195
35.7	41.372		52.16		46.976		4.96		17.397		33.17		22.774		22.36	
Mittl. Ort	37.936		75.45		44.139		42.23		14.190		57.95		18.505		16.86	
sec δ, tg δ	1.001		+0.038		1.706		+1.383		1.013		+0.161		1.565		−1.204	

Mittlere Zeit Greenw.	453) ε Corvi AR.		453) ε Corvi Dekl.		454) 4 H. Draconis AR.		454) 4 H. Draconis Dekl.		456) δ Ursae maj. AR.		456) δ Ursae maj. Dekl.		459) β Chamael. AR.		459) β Chamael. Dekl.	
1922	12h 6m		−22° 11′		12h 8m		+78° 2′		12h 11m		+57° 27′		12h 13m		−78° 52′	
Jan. 0.7	7.344s	330	4.81″	226	31.88s	116	37.07″	13	33.974s	508	37.91″	74	48.58s	122	26.70″	166
10.7	7.674	310	7.07	237	33.04	112	36.94	52	34.482	486	37.17	14	49.80	113	28.36	220
20.7	7.984	278	9.44	241	34.16	102	37.46	115	34.968	447	37.03	46	50.93	101	30.56	268
30.6	8.262	242	11.85	237	35.18	90	38.61	174	35.415	394	37.49	103	51.94	88	33.24	308
Feb. 9.6	8.504	201	14.22	228	36.08	75	40.35	223	35.809	330	38.52	155	52.82	72	36.32	338
19.6	8.705	157	16.50	214	36.83	57	42.58	264	36.139	257	40.07	200	53.54	55	39.70	361
März 1.6	8.862	114	18.64	195	37.40	37	45.22	294	36.396	179	42.07	235	54.09	38	43.31	374
11.5	8.976	72	20.59	174	37.77	17	48.16	311	36.575	100	44.42	259	54.47	21	47.05	377
21.5	9.048	34	22.33	151	37.94	3	51.27	315	36.675	25	47.01	273	54.68	4	50.82	374
31.5	9.082	1	23.84	127	37.91	22	54.42	308	36.700	46	49.74	274	54.72	13	54.56	361
Apr. 10.5	9.081	30	25.11	103	37.69	39	57.50	289	36.654	109	52.48	267	54.59	29	58.17	341
20.4	9.051	56	26.14	78	37.30	55	60.39	259	36.545	164	55.15	248	54.30	43	61.58	315
30.4	8.995	76	26.92	53	36.75	68	62.98	221	36.381	209	57.63	221	53.87	57	64.73	281
Mai 10.4	8.919	93	27.45	28	36.07	78	65.19	176	36.172	244	59.84	187	53.30	68	67.54	242
20.3	8.826	107	27.73	4	35.29	85	66.95	126	35.928	268	61.71	148	52.62	79	69.96	198
30.3	8.719	116	27.77	19	34.44	90	68.21	73	35.660	285	63.19	104	51.83	87	71.94	148
Juni 9.3	8.603	123	27.58	42	33.54	92	68.94	16	35.375	291	64.23	58	50.96	93	73.42	97
19.3	8.480	127	27.16	64	32.62	91	69.10	38	35.084	291	64.81	10	50.03	97	74.39	42
29.2	8.353	126	26.52	83	31.71	88	68.72	92	34.793	282	64.91	38	49.06	98	74.81	14
Juli 9.2	8.227	123	25.69	101	30.83	82	67.80	145	34.511	266	64.53	85	48.08	96	74.67	68
19.2	8.104	115	24.68	115	30.01	76	66.35	193	34.245	244	63.68	129	47.12	92	73.99	123
29.2	7.989	103	23.53	125	29.25	67	64.42	237	34.001	215	62.39	171	46.20	84	72.76	171
Aug. 8.1	7.886	86	22.28	133	28.58	56	62.05	276	33.786	181	60.68	211	45.36	73	71.05	216
18.1	7.800	64	20.95	134	28.02	44	59.29	309	33.605	140	58.57	246	44.63	60	68.89	253
28.1	7.736	36	19.61	130	27.58	31	56.20	337	33.465	94	56.11	276	44.03	43	66.36	283
Sept. 7.0	7.700	2	18.31	120	27.27	17	52.83	357	33.371	41	53.35	302	43.60	25	63.53	302
17.0	7.698	35	17.11	103	27.10	2	49.26	370	33.330	17	50.33	322	43.35	4	60.51	311
27.0	7.733	78	16.08	81	27.08	14	45.56	376	33.347	78	47.11	337	43.31	16	57.40	306
Okt. 7.0	7.811	122	15.27	52	27.22	30	41.80	374	33.425	145	43.74	343	43.47	38	54.34	292
16.9	7.933	169	14.75	19	27.52	47	38.06	363	33.570	212	40.31	343	43.85	59	51.42	264
26.9	8.102	213	14.56	17	27.99	62	34.43	343	33.782	280	36.88	335	44.44	78	48.78	226
Nov. 5.9	8.315	255	14.73	56	28.61	77	31.00	314	34.062	344	33.53	319	45.22	94	46.52	178
15.9	8.570	290	15.29	95	29.38	91	27.86	277	34.406	402	30.34	292	46.16	109	44.74	122
25.8	8.860	318	16.24	132	30.29	102	25.09	231	34.808	451	27.42	258	47.25	118	43.52	62
Dez. 5.8	9.178	336	17.56	165	31.31	110	22.78	176	35.259	489	24.84	216	48.43	124	42.90	3
15.8	9.514	342	19.21	194	32.41	117	21.02	118	35.748	511	22.68	166	49.67	127	42.93	67
25.7	9.856	338	21.15	216	33.58	118	19.84	54	36.259	516	21.02	111	50.94	123	43.60	129
35.7	10.194		23.31		34.76		19.30		36.775		19.91		52.17		44.89	
Mittl. Ort	6.60		9.55		33.82		58.68		34.419		57.14		44.31		45.10	
sec δ, tg δ	1.080		−0.408		4.830		+4.725		1.859		+1.567		5.185		−5.087	

Mittlere Zeit Greenw.	460) η Virginis AR.		460) η Virginis Dekl.		462) α Crucis med. AR.		462) α Crucis med. Dekl.		466) 20 Comae AR.		466) 20 Comae Dekl.		465) δ Corvi AR.		465) δ Corvi Dekl.	
1922	$12^h\ 15^m$ s		−0° 14′ ″		$12^h\ 22^m$ s		−62° 39′ ″		$12^h\ 25^m$ s		+21° 19′ ″		$12^h\ 25^m$ s		−16° 4′ ″	
Jan. 0.7	55.291	318	2.92	205	16.87	57	45.88	186	48.359	336	30.73	175	50.089	328	49.28	216
10.7	55.609	300	4.97	192	17.44	54	47.74	233	48.695	321	28.98	139	50.417	311	51.44	220
20.7	55.909	274	6.89	174	17.98	49	50.07	272	49.016	297	27.59	101	50.728	285	53.64	220
30.6	56.183	241	8.63	152	18.47	43	52.79	305	49.313	263	26.58	61	51.013	251	55.84	211
Feb. 9.6	56.424	202	10.15	125	18.90	36	55.84	327	49.576	224	25.97	20	51.264	214	57.95	198
19.6	56.626	162	11.40	98	19.26	29	59.11	342	49.800	182	25.77	19	51.478	174	59.93	180
März 1.6	56.788	120	12.38	70	19.55	21	62.53	348	49.982	137	25.96	55	51.652	132	61.73	161
11.5	56.908	81	13.08	44	19.76	13	66.01	346	50.119	93	26.51	85	51.784	93	63.34	138
21.5	56.989	43	13.52	19	19.89	7	69.47	337	50.212	52	27.36	110	51.877	55	64.72	115
31.5	57.032	10	13.71	3	19.96	1	72.84	322	50.264	14	28.46	128	51.932	21	65.87	93
Apr. 10.5	57.042	19	13.68	22	19.95	7	76.06	298	50.278	19	29.74	139	51.953	9	66.80	70
20.4	57.023	43	13.46	36	19.88	13	79.04	271	50.259	48	31.13	144	51.944	34	67.50	48
30.4	56.980	63	13.10	49	19.75	18	81.75	238	50.211	71	32.57	142	51.910	57	67.98	27
Mai 10.4	56.917	79	12.61	59	19.57	23	84.13	199	50.140	91	33.99	135	51.853	74	68.25	8
20.3	56.838	92	12.02	64	19.34	27	86.12	158	50.049	105	35.34	124	51.779	90	68.33	11
30.3	56.746	101	11.38	69	19.07	31	87.70	112	49.944	115	36.58	109	51.689	102	68.22	28
Juni 9.3	56.645	106	10.69	71	18.76	32	88.82	65	49.829	122	37.67	90	51.587	111	67.94	45
19.3	56.539	110	9.98	71	18.44	35	89.47	16	49.707	127	38.57	69	51.476	117	67.49	60
29.2	56.429	111	9.27	69	18.09	36	89.63	33	49.580	127	39.26	48	51.359	120	66.89	74
Juli 9.2	56.318	107	8.58	66	17.73	35	89.30	83	49.453	123	39.74	23	51.239	120	66.15	85
19.2	56.211	101	7.92	61	17.38	34	88.47	128	49.330	117	39.97	1	51.119	115	65.30	94
29.2	56.110	92	7.31	53	17.04	31	87.19	171	49.213	107	39.96	26	51.004	107	64.36	101
Aug. 8.1	56.018	77	6.78	42	16.73	28	85.48	208	49.106	92	39.70	52	50.897	94	63.35	103
18.1	55.941	60	6.36	29	16.45	22	83.40	239	49.014	74	39.18	77	50.803	74	62.32	101
28.1	55.881	35	6.07	14	16.23	17	81.01	261	48.940	49	38.41	103	50.729	51	61.31	95
Sept. 7.0	55.846	7	5.93	5	16.06	9	78.40	275	48.891	20	37.38	129	50.678	20	60.36	84
17.0	55.839	26	5.98	26	15.97	1	75.65	277	48.871	13	36.09	154	50.658	16	59.52	67
27.0	55.865	64	6.24	51	15.96	8	72.88	270	48.884	53	34.55	177	50.674	55	58.85	46
Okt. 7.0	55.929	105	6.75	76	16.04	17	70.18	251	48.937	94	32.78	199	50.729	100	58.39	19
16.9	56.034	147	7.51	103	16.21	26	67.67	222	49.031	138	30.79	218	50.829	144	58.20	10
26.9	56.181	190	8.54	130	16.47	35	65.45	182	49.169	184	28.61	234	50.973	190	58.30	44
Nov. 5.9	56.371	230	9.84	154	16.82	43	63.63	134	49.353	227	26.27	243	51.163	233	58.74	77
15.9	56.601	265	11.38	177	17.25	50	62.29	80	49.580	265	23.84	248	51.396	270	59.51	111
25.8	56.866	293	13.15	194	17.75	54	61.49	23	49.845	298	21.36	245	51.666	300	60.62	143
Dez. 5.8	57.159	314	15.09	206	18.29	58	61.26	38	50.143	323	18.91	236	51.966	321	62.05	170
15.8	57.473	323	17.15	211	18.87	59	61.64	97	50.466	337	16.55	218	52.287	333	63.75	194
25.7	57.796	323	19.26	209	19.46	58	62.61	153	50.803	340	14.37	193	52.620	332	65.69	209
35.7	58.119		21.35		20.04		64.14		51.143		12.44		52.952		67.78	
Mittl. Ort	54.882		0.41		15.15		62.43		48.258		40.22		49.551		52.81	
sec δ, tg δ	1.000		−0.004		2.178		−1.935		1.072		+0.390		1.041		−0.288	

Mittlere Zeit Greenw.	470) 8 Canum ven.				472) κ Draconis				471) β Corvi				473) 24 Comae sq.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	12h 30m		+41° 46′		12h 30m		+70° 12′		12h 30m		−22° 57′		12h 31m		+18° 47′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	2.316	393	36.57	134	8.35	75	44.54	64	17.749	339	50.03	214	13.222	332	74.10	181
10.7	2.709	380	35.23	82	9.10	73	43.90	2	18.088	322	52.17	227	13.554	319	72.29	149
20.7	3.089	352	34.41	28	9.83	68	43.92	65	18.410	297	54.44	232	13.873	295	70.80	113
30.7	3.441	315	34.13	25	10.51	62	44.57	127	18.707	262	56.76	231	14.168	264	69.67	74
Feb. 9.6	3.756	270	34.38	75	11.13	52	45.84	183	18.969	224	59.07	224	14.432	226	68.93	34
19.6	4.026	218	35.13	123	11.65	42	47.67	229	19.193	183	61.31	212	14.658	184	68.59	4
März 1.6	4.244	162	36.36	161	12.07	30	49.96	266	19.376	140	63.43	196	14.842	141	68.63	40
11.5	4.406	108	37.97	193	12.37	19	52.62	291	19.516	100	65.39	176	14.983	98	69.03	70
21.5	4.514	54	39.90	215	12.56	6	55.53	305	19.616	62	67.15	155	15.081	57	69.73	96
31.5	4.568	4	42.05	227	12.62	6	58.58	307	19.678	27	68.70	133	15.138	21	70.69	115
Apr. 10.5	4.572	40	44.32	230	12.56	17	61.65	295	19.705	5	70.03	110	15.159	12	71.84	128
20.4	4.532	79	46.62	223	12.39	26	64.60	275	19.700	32	71.13	86	15.147	41	73.12	134
30.4	4.453	112	48.85	209	12.13	34	67.35	244	19.668	56	71.99	63	15.106	64	74.46	135
Mai 10.4	4.341	138	50.94	188	11.79	41	69.79	206	19.612	75	72.62	39	15.042	83	75.81	130
20.4	4.203	159	52.82	161	11.38	47	71.85	162	19.537	93	73.01	15	14.959	99	77.11	121
30.3	4.044	172	54.43	128	10.91	50	73.47	112	19.444	106	73.16	6	14.860	110	78.32	107
Juni 9.3	3.872	182	55.71	94	10.41	52	74.59	60	19.338	118	73.10	30	14.750	117	79.39	92
19.3	3.690	186	56.65	56	9.89	53	75.19	8	19.220	124	72.80	50	14.633	123	80.31	74
29.2	3.504	185	57.21	16	9.36	52	75.27	46	19.096	129	72.30	70	14.510	124	81.05	53
Juli 9.2	3.319	180	57.37	23	8.84	50	74.81	98	18.967	130	71.60	88	14.386	122	81.58	32
19.2	3.139	169	57.14	62	8.34	47	73.83	148	18.837	127	70.72	104	14.264	117	81.90	9
29.2	2.970	156	56.52	100	7.87	42	72.35	194	18.710	117	69.68	116	14.147	108	81.99	15
Aug. 8.1	2.814	135	55.52	136	7.45	37	70.41	236	18.593	104	68.52	125	14.039	94	81.84	39
18.1	2.679	110	54.16	171	7.08	31	68.05	275	18.489	85	67.27	128	13.945	77	81.45	63
28.1	2.569	81	52.45	202	6.77	23	65.30	307	18.404	59	65.99	127	13.868	53	80.82	89
Sept. 7.1	2.488	44	50.43	232	6.54	16	62.23	334	18.345	28	64.72	120	13.815	25	79.93	114
17.0	2.444	3	48.11	257	6.38	6	58.89	353	18.317	10	63.52	106	13.790	8	78.79	139
27.0	2.441	43	45.54	278	6.32	3	55.36	367	18.327	52	62.46	87	13.798	47	77.40	163
Okt. 7.0	2.484	93	42.76	295	6.35	14	51.69	372	18.379	99	61.59	61	13.845	88	75.77	185
16.9	2.577	145	39.81	305	6.49	24	47.97	369	18.478	145	60.98	30	13.933	132	73.92	206
26.9	2.722	199	36.76	309	6.73	35	44.28	357	18.623	194	60.68	3	14.065	178	71.86	223
Nov. 5.9	2.921	250	33.67	305	7.08	44	40.71	337	18.817	238	60.71	42	14.243	220	69.63	235
15.9	3.171	298	30.62	293	7.52	54	37.34	306	19.055	277	61.13	78	14.463	259	67.28	241
25.8	3.469	338	27.69	274	8.06	62	34.28	268	19.332	309	61.91	116	14.722	292	64.87	243
Dez. 5.8	3.807	369	24.95	245	8.68	70	31.60	219	19.641	332	63.07	150	15.014	317	62.44	235
15.8	4.176	390	22.50	208	9.38	73	29.41	165	19.973	344	64.57	179	15.331	332	60.09	220
25.8	4.566	397	20.42	164	10.11	75	27.76	103	20.317	343	66.36	202	15.663	337	57.89	199
35.7	4.963		18.78		10.86		26.73		20.660		68.38		16.000		55.90	
Mittl. Ort	2.557		51.81		9.75		64.80		17.149		56.12		13.124		82.55	
sec δ, tg δ	1.341		+0.894		2.955		+2.780		1.086		−0.424		1.056		+0.341	

Mittlere Zeit Greenw.	474) α Muscae AR.	Δ	474) α Muscae Dekl.	Δ	476) γ Centauri AR.	Δ	476) γ Centauri Dekl.	Δ	478) 76 Ursae maj. AR.	Δ	478) 76 Ursae maj. Dekl.	Δ	481) β Crucis AR.	Δ	481) β Crucis Dekl.	Δ
1922	12h 32m		−68° 42′		12h 37m		−48° 31′		12h 38m		+63° 7′		12h 43m		−59° 15′	
Jan. 0.7	32.99	71	3.82	161	13.380	436	39.83	188	8.84	59	68.89	92	10.386	538	28.63	164
10.7	33.70	67	5.43	213	13.816	414	41.71	227	9.43	57	67.97	29	10.924	514	30.27	212
20.7	34.37	62	7.56	258	14.230	380	43.98	257	10.00	54	67.68	34	11.438	476	32.39	251
30.7	34.99	54	10.14	294	14.610	339	46.55	280	10.54	48	68.02	96	11.914	425	34.90	283
Feb. 9.6	35.53	46	13.08	323	14.949	291	49.35	295	11.02	43	68.98	152	12.339	365	37.73	306
19.6	35.99	38	16.31	343	15.240	239	52.30	302	11.45	34	70.50	202	12.704	304	40.79	323
März 1.6	36.37	28	19.74	355	15.479	185	55.32	303	11.79	25	72.52	242	13.008	237	44.02	330
11.5	36.65	19	23.29	357	15.664	131	58.35	297	12.04	17	74.94	271	13.245	170	47.32	331
21.5	36.84	10	26.86	353	15.795	81	61.32	284	12.21	7	77.65	289	13.415	105	50.63	324
31.5	36.94	1	30.39	341	15.876	34	64.16	266	12.28	1	80.54	295	13.520	44	53.87	311
Apr. 10.5	36.95	7	33.80	321	15.910	12	66.82	245	12.27	9	83.49	290	13.564	16	56.98	291
20.4	36.88	15	37.01	297	15.898	51	69.27	219	12.18	16	86.39	274	13.548	70	59.89	267
30.4	36.73	23	39.98	265	15.847	88	71.46	188	12.02	23	89.13	248	13.478	120	62.56	237
Mai 10.4	36.50	28	42.63	229	15.759	120	73.34	155	11.79	28	91.61	215	13.358	166	64.93	202
20.4	36.22	35	44.92	186	15.639	149	74.89	120	11.51	31	93.76	175	13.192	206	66.95	165
30.3	35.87	39	46.78	142	15.490	172	76.09	81	11.20	35	95.51	129	12.986	241	68.60	122
Juni 9.3	35.48	43	48.20	93	15.318	193	76.90	42	10.85	36	96.80	82	12.745	271	69.82	78
19.3	35.05	46	49.13	42	15.125	207	77.32	0	10.49	37	97.62	31	12.474	291	70.60	32
29.2	34.59	47	49.55	10	14.918	216	77.32	40	10.12	37	97.93	20	12.183	307	70.92	16
Juli 9.2	34.12	47	49.45	61	14.702	219	76.92	79	9.75	36	97.73	70	11.876	310	70.76	61
19.2	33.65	46	48.84	112	14.483	215	76.13	117	9.39	34	97.03	119	11.566	307	70.15	107
29.2	33.19	43	47.72	158	14.268	202	74.96	150	9.05	31	95.84	165	11.259	290	69.08	149
Aug. 8.1	32.76	39	46.14	200	14.066	183	73.46	181	8.74	28	94.19	209	10.969	264	67.59	186
18.1	32.37	32	44.14	236	13.883	153	71.65	204	8.46	23	92.10	248	10.705	224	65.73	218
28.1	32.05	25	41.78	263	13.730	115	69.61	220	8.23	18	89.62	281	10.481	174	63.55	242
Sept. 7.1	31.80	15	39.15	282	13.615	68	67.41	228	8.05	12	86.81	312	10.307	113	61.13	258
17.0	31.65	5	36.33	291	13.547	13	65.13	228	7.93	5	83.69	334	10.194	41	58.55	264
27.0	31.60	6	33.42	288	13.534	46	62.85	218	7.88	1	80.35	352	10.153	37	55.91	259
Okt. 7.0	31.66	18	30.54	273	13.580	112	60.67	198	7.89	10	76.83	361	10.190	121	53.32	245
16.9	31.84	30	27.81	247	13.692	177	58.69	170	7.99	18	73.22	363	10.311	206	50.87	218
26.9	32.14	40	25.34	212	13.869	242	56.99	132	8.17	26	69.59	357	10.517	288	48.69	184
Nov. 5.9	32.54	50	23.22	166	14.111	302	55.67	88	8.43	34	66.02	341	10.805	365	46.85	140
15.9	33.04	60	21.56	113	14.413	354	54.79	40	8.77	41	62.61	316	11.170	431	45.45	89
25.8	33.64	65	20.43	55	14.767	396	54.39	12	9.18	49	59.45	282	11.601	484	44.56	35
Dez. 5.8	34.29	70	19.88	6	15.163	425	54.51	64	9.67	53	56.63	239	12.085	521	44.21	22
15.8	34.99	72	19.94	67	15.588	439	55.15	115	10.20	57	54.24	188	12.606	541	44.43	79
25.8	35.71	72	20.61	127	16.027	440	56.30	163	10.77	58	52.36	131	13.147	543	45.22	133
35.7	36.43		21.88		16.467		57.93		11.35		51.05		13.690		46.55	
Mittl. Ort	30.97		21.86		12.365		53.91		9.86		87.99		9.083		45.43	
sec δ, tg δ	2.754		−2.566		1.510		−1.132		2.213		+1.974		1.957		−1.682	

Mittlere Zeit Greenw.	482) *n* Centauri				483) ε Ursae maj.				484) δ Virginis				486) 8 Draconis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	12h 49m		−39° 45′		12h 50m		+56° 22′		12h 51m		+3° 48′		12h 52m		+61° 51′	
	s		″		s		″		s		″		s		″	
Jan. 0.7	7.290	392	6.09	187	35.327	496	41.09	123	40.572	322	73.03	203	21.15	63	22.14	105
10.7	7.682	377	7.96	219	35.823	487	39.86	64	40.894	311	71.00	186	21.78	63	21.09	40
20.7	8.059	349	10.15	242	36.310	462	39.22	1	41.205	291	69.14	165	22.41	60	20.69	25
30.7	8.408	315	12.57	258	36.772	422	39.21	60	41.496	264	67.49	139	23.01	54	20.94	89
Feb. 9.6	8.723	274	15.15	267	37.194	369	39.81	117	41.760	230	66.10	109	23.55	48	21.83	147
19.6	8.997	229	17.82	270	37.563	306	40.98	169	41.990	193	65.01	79	24.03	40	23.30	199
März 1.6	9.226	183	20.52	266	37.869	237	42.67	212	42.183	154	64.22	48	24.43	31	25.29	241
11.6	9.409	136	23.18	256	38.106	165	44.79	246	42.337	115	63.74	19	24.74	21	27.70	274
21.5	9.545	93	25.74	243	38.271	92	47.25	269	42.452	79	63.55	7	24.95	10	30.44	294
31.5	9.638	51	28.17	224	38.363	22	49.94	280	42.531	44	63.62	30	25.05	2	33.38	302
Apr. 10.5	9.689	13	30.41	203	38.385	42	52.74	280	42.575	14	63.92	48	25.07	8	36.40	300
20.4	9.702	22	32.44	179	38.343	101	55.54	271	42.589	13	64.40	63	24.99	16	39.40	285
30.4	9.680	53	34.23	152	38.242	153	58.25	250	42.576	37	65.03	73	24.83	23	42.25	261
Mai 10.4	9.627	82	35.75	123	38.089	194	60.75	223	42.539	58	65.76	80	24.60	30	44.86	229
20.4	9.545	107	36.98	92	37.895	230	62.98	188	42.481	74	66.56	82	24.30	34	47.15	189
30.3	9.438	128	37.90	59	37.665	255	64.86	149	42.407	88	67.38	83	23.96	38	49.04	144
Juni 9.3	9.310	147	38.49	26	37.410	275	66.35	104	42.319	100	68.21	81	23.58	41	50.48	95
19.3	9.163	162	38.75	7	37.135	284	67.39	57	42.219	109	69.02	75	23.17	42	51.43	45
29.2	9.001	171	38.68	42	36.851	288	67.96	9	42.110	114	69.77	70	22.75	43	51.88	8
Juli 9.2	8.830	177	38.26	74	36.563	283	68.05	39	41.996	117	70.47	61	22.32	42	51.80	60
19.2	8.653	176	37.52	105	36.280	272	67.66	86	41.879	116	71.08	50	21.90	40	51.20	110
29.2	8.477	168	36.47	132	36.008	255	66.80	133	41.763	112	71.58	39	21.50	37	50.10	158
Aug. 8.1	8.309	155	35.15	156	35.753	229	65.47	175	41.651	102	71.97	26	21.13	34	48.52	204
18.1	8.154	132	33.59	175	35.524	197	63.72	216	41.549	88	72.23	10	20.79	29	46.48	244
28.1	8.022	103	31.84	186	35.327	158	61.56	252	41.461	68	72.33	9	20.50	24	44.04	281
Sept. 7.1	7.919	65	29.98	192	35.169	111	59.04	283	41.393	41	72.24	28	20.26	17	41.23	312
17.0	7.854	19	28.06	188	35.058	58	56.21	311	41.352	11	71.96	50	20.09	10	38.11	337
27.0	7.835	32	26.18	177	35.000	1	53.10	331	41.341	26	71.46	73	19.99	2	34.74	356
Okt. 7.0	7.867	88	24.41	158	35.001	66	49.79	346	41.367	68	70.73	99	19.97	6	31.18	368
17.0	7.955	145	22.83	129	35.067	134	46.33	353	41.435	111	69.74	124	20.03	15	27.50	370
26.9	8.100	203	21.54	95	35.201	205	42.80	352	41.546	156	68.50	148	20.18	25	23.80	366
Nov. 5.9	8.303	258	20.59	55	35.406	273	39.28	343	41.702	200	67.02	170	20.43	33	20.14	351
15.9	8.561	307	20.04	11	35.679	339	35.85	324	41.902	239	65.32	190	20.76	42	16.63	328
25.8	8.868	345	19.93	36	36.018	396	32.61	296	42.141	274	63.42	204	21.18	50	13.35	294
Dez. 5.8	9.213	375	20.29	82	36.414	442	29.65	259	42.415	300	61.38	213	21.68	55	10.41	252
15.8	9.588	391	21.11	126	36.856	477	27.06	213	42.715	317	59.25	215	22.23	60	7.89	201
25.8	9.979	395	22.37	166	37.333	495	24.93	160	43.032	323	57.10	210	22.83	64	5.88	143
35.7	10.374		24.03		37.828		23.33		43.355		55.00		23.47		4.45	
Mittl. Ort	6.561		18.26		36.166		58.56		40.420		75.47		22.54		40.94	
sec δ, tg δ	1.301		−0.832		1.806		+1.504		1.002		+0.067		2.445		+2.231	

Mittlere Zeit Greenw.	485) 12 Can. ven. sq.				488) ε Virginis				490) ϑ Virginis				492) 43 Comae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	12h 52m		+38° 43′		12h 58m		+11° 22′		13h 5m		−5° 7′		13h 8m		+28° 15′	
Jan. 0.8	22.566	381	68.06	162	17.672	326	36.26	199	54.738	324	21.39	203	13.831	347	73.63	187
10.7	22.947	372	66.44	112	17.998	316	34.27	176	55.062	316	23.42	198	14.178	341	71.76	146
20.7	23.319	352	65.32	59	18.314	298	32.51	146	55.378	297	25.40	186	14.519	325	70.30	101
30.7	23.671	320	64.73	6	18.612	272	31.05	112	55.675	272	27.26	168	14.844	299	69.29	53
Feb. 9.7	23.991	281	64.67	47	18.884	238	29.93	77	55.947	241	28.94	146	15.143	266	68.76	5
19.6	24.272	234	65.14	95	19.122	202	29.16	41	56.188	205	30.40	122	15.409	225	68.71	40
März 1.6	24.506	184	66.09	138	19.324	162	28.75	6	56.393	168	31.62	97	15.634	184	69.11	83
11.6	24.690	133	67.47	172	19.486	123	28.69	25	56.561	131	32.59	71	15.818	139	69.94	119
21.5	24.823	83	69.19	200	19.609	85	28.94	53	56.692	95	33.30	45	15.957	96	71.13	149
31.5	24.906	35	71.19	217	19.694	50	29.47	76	56.787	62	33.75	24	16.053	56	72.62	171
Apr. 10.5	24.941	8	73.36	224	19.744	18	30.23	92	56.849	31	33.99	3	16.109	18	74.33	185
20.5	24.933	47	75.60	224	19.762	11	31.15	105	56.880	4	34.02	15	16.127	17	76.18	191
30.4	24.886	81	77.84	214	19.751	36	32.20	111	56.884	21	33.87	29	16.110	46	78.09	189
Mai 10.4	24.805	109	79.98	198	19.715	57	33.31	112	56.863	43	33.58	40	16.064	73	79.98	181
20.4	24.696	132	81.96	174	19.658	75	34.43	110	56.820	62	33.18	51	15.991	94	81.79	166
30.3	24.564	150	83.70	146	19.583	90	35.53	105	56.758	78	32.67	57	15.897	113	83.45	147
Juni 9.3	24.414	163	85.16	113	19.493	103	36.58	95	56.680	92	32.10	63	15.784	127	84.92	124
19.3	24.251	172	86.29	79	19.390	112	37.53	83	56.588	104	31.47	66	15.657	139	86.16	96
29.3	24.079	176	87.08	41	19.278	119	38.36	69	56.484	112	30.81	68	15.518	146	87.12	68
Juli 9.2	23.903	176	87.49	3	19.159	121	39.05	53	56.372	118	30.13	68	15.372	150	87.80	37
19.2	23.727	171	87.52	36	19.038	122	39.58	37	56.254	120	29.45	67	15.222	150	88.17	5
29.2	23.556	161	87.16	73	18.916	118	39.95	17	56.134	119	28.78	62	15.072	146	88.22	28
Aug. 8.2	23.395	147	86.43	111	18.798	108	40.12	2	56.015	110	28.16	56	14.926	135	87.94	59
18.1	23.248	126	85.32	146	18.690	95	40.10	23	55.905	99	27.60	48	14.791	121	87.35	91
28.1	23.122	100	83.86	180	18.595	75	39.87	46	55.806	79	27.12	36	14.670	100	86.44	123
Sept. 7.1	23.022	68	82.06	211	18.520	49	39.41	69	55.727	53	26.76	21	14.570	72	85.21	153
17.0	22.954	30	79.95	239	18.471	18	38.72	93	55.674	23	26.55	2	14.498	40	83.68	181
27.0	22.924	14	77.56	263	18.453	18	37.79	118	55.651	14	26.53	19	14.458	0	81.87	208
Okt. 7.0	22.938	62	74.93	283	18.471	60	36.61	142	55.665	56	26.72	42	14.458	43	79.79	232
17.0	23.000	114	72.10	299	18.531	103	35.19	167	55.721	100	27.14	69	14.501	90	77.47	252
26.9	23.114	167	69.11	307	18.634	149	33.52	188	55.821	147	27.83	96	14.591	140	74.95	266
Nov. 5.9	23.281	219	66.04	307	18.783	194	31.64	206	55.968	192	28.79	123	14.731	189	72.29	277
15.9	23.500	268	62.97	302	18.977	235	29.58	220	56.160	233	30.02	148	14.920	235	69.52	279
25.9	23.768	311	59.95	286	19.212	271	27.38	228	56.393	270	31.50	169	15.155	275	66.73	273
Dez. 5.8	24.079	345	57.09	263	19.483	298	25.10	231	56.663	297	33.19	188	15.430	309	64.00	261
15.8	24.424	370	54.46	230	19.781	318	22.79	224	56.960	316	35.07	199	15.739	333	61.39	239
25.8	24.794	381	52.16	190	20.099	326	20.55	211	57.276	324	37.06	204	16.072	346	59.00	209
35.8	25.175		50.26		20.425		18.44		57.600		39.10		16.418		56.91	
Mittl. Ort	22.920		81.54		17.648		41.04		54.569		22.72		14.105		83.42	
sec δ, tg δ	1.282		+0.802		1.020		+0.201		1.004		−0.089		1.135		+0.538	

Mittlere Zeit Greenw.	495) γ Hydrae AR.		495) γ Hydrae Dekl.		496) ι Centauri AR.		496) ι Centauri Dekl.		497) ζ Ursae maj. pr. AR.		497) ζ Ursae maj. pr. Dekl.		498) α Virginis AR.		498) α Virginis Dekl.	
1922	$13^h 14^m$		−22° 45′		$13^h 16^m$		−36° 17′		$13^h 20^m$		+55° 19′		$13^h 21^m$		−10° 45′	
	s		″		s		″		s		′		s		″	
Jan. 0.8	40.956	346	30.05	188	12.786	382	52.62	167	46.199	476	40.70	161	5.011	328	12.79	196
10.7	41.302	336	31.93	201	13.168	373	54.29	196	46.675	479	39.09	101	5.339	322	14.75	198
20.7	41.638	319	33.94	210	13.541	352	56.25	217	47.154	464	38.08	39	5.661	306	16.73	192
30.7	41.957	293	36.04	210	13.893	324	58.42	233	47.618	434	37.69	24	5.967	283	18.65	181
Feb. 9.7	42.250	260	38.14	206	14.217	289	60.75	241	48.052	391	37.93	85	6.250	253	20.46	165
19.6	42.510	225	40.20	196	14.506	250	63.16	243	48.443	336	38.78	141	6.503	219	22.11	145
März 1.6	42.735	187	42.16	183	14.756	208	65.59	240	48.779	276	40.19	189	6.722	184	23.56	123
11.6	42.922	149	43.99	166	14.964	166	67.99	232	49.055	209	42.08	230	6.906	148	24.79	101
21.5	43.071	112	45.65	148	15.130	124	70.31	219	49.264	140	44.38	260	7.054	112	25.80	78
31.5	43.183	77	47.13	129	15.254	86	72.50	204	49.404	73	46.98	278	7.166	79	26.58	56
Apr. 10.5	43.260	44	48.42	108	15.340	48	74.54	185	49.477	9	49.76	285	7.245	48	27.14	35
20.5	43.304	15	49.50	88	15.388	13	76.39	165	49.486	51	52.61	283	7.293	19	27.49	17
30.4	43.319	13	50.38	68	15.401	18	78.04	141	49.435	105	55.44	269	7.312	6	27.66	1
Mai 10.4	43.306	37	51.06	47	15.383	48	79.45	117	49.330	152	58.13	246	7.306	30	27.67	14
20.4	43.269	60	51.53	28	15.335	75	80.62	90	49.178	193	60.59	217	7.276	50	27.53	26
30.4	43.209	80	51.81	8	15.260	100	81.52	62	48.985	226	62.76	180	7.226	70	27.27	37
Juni 9.3	43.129	98	51.89	12	15.160	122	82.14	34	48.759	251	64.56	139	7.156	87	26.90	47
19.3	43.031	113	51.77	30	15.038	140	82.48	4	48.508	271	65.95	93	7.069	101	26.43	55
29.3	42.918	125	51.47	48	14.898	156	82.52	25	48.237	282	66.88	46	6.968	113	25.88	61
Juli 9.2	42.793	134	50.99	66	14.742	166	82.27	55	47.955	286	67.34	2	6.855	121	25.27	67
19.2	42.659	138	50.33	81	14.576	170	81.72	82	47.669	285	67.32	50	6.734	127	24.60	70
29.2	42.521	137	49.52	93	14.406	170	80.90	108	47.384	274	66.82	98	6.607	126	23.90	71
Aug. 8.2	42.384	131	48.59	103	14.236	161	79.82	130	47.110	258	65.84	144	6.481	121	23.19	71
18.1	42.253	117	47.56	111	14.075	146	78.52	148	46.852	232	64.40	187	6.360	111	22.48	67
28.1	42.136	97	46.45	111	13.929	121	77.04	160	46.620	200	62.53	227	6.249	93	21.81	59
Sept. 7.1	42.039	70	45.34	109	13.808	88	75.44	167	46.420	159	60.26	263	6.156	68	21.22	49
17.1	41.969	35	44.25	100	13.720	49	73.77	166	46.261	110	57.63	294	6.088	38	20.73	34
27.0	41.934	6	43.25	85	13.671	1	72.11	158	46.151	54	54.69	321	6.050	1	20.39	16
Okt. 7.0	41.940	51	42.40	65	13.670	52	70.53	142	46.097	8	51.48	341	6.049	42	20.23	7
17.0	41.991	100	41.75	40	13.722	109	69.11	119	46.105	76	48.07	353	6.091	88	20.30	32
26.9	42.091	151	41.35	10	13.831	165	67.92	88	46.181	146	44.54	359	6.179	135	20.62	60
Nov. 5.9	42.242	201	41.25	22	13.996	222	67.04	54	46.327	218	40.95	355	6.314	183	21.22	88
15.9	42.443	245	41.47	57	14.218	271	66.50	13	46.545	286	37.40	343	6.497	225	22.10	116
25.9	42.688	285	42.04	91	14.489	315	66.37	29	46.831	348	33.97	319	6.722	264	23.26	142
Dez. 5.8	42.973	314	42.95	124	14.804	349	66.66	71	47.179	401	30.78	288	6.986	295	24.68	165
15.8	43.287	335	44.19	153	15.153	371	67.37	111	47.580	443	27.90	246	7.281	316	26.33	181
25.8	43.622	344	45.72	176	15.524	380	68.48	147	48.023	471	25.44	196	7.597	326	28.14	194
35.8	43.966		47.48		15.904		69.95		48.494		23.48		7.923		30.08	
Mittl. Ort	40.645		37.85		12.318		64.76		47.295		56.43		4.871		16.71	
sec δ, tg δ	1.084		−0.419		1.241		−0.735		1.758		+1.446		1.018		−0.190	

Mittlere Zeit Greenw.	499) Gr. 2001 AR.		499) Dekl.		500) 69 H. Urs. maj. AR.		500) Dekl.	
	$13^h 24^m$		$+72° 47'$		$13^h 25^m$		$+60° 20'$	
1922	s		″		s		″	
Jan. 0.8	5.89	81	28.68	131	34.07	53	37.68	157
10.8	6.70	83	27.37	64	34.60	54	36.11	96
20.7	7.53	82	26.73	— 2	35.14	52	35.15	31
30.7	8.35	77	26.75	69	35.66	49	34.84	— 34
Feb. 9.7	9.12	69	27.44	131	36.15	44	35.18	96
19.6	9.81	60	28.75	188	36.59	38	36.14	153
März 1.6	10.41	49	30.63	236	36.97	32	37.67	202
11.6	10.90	37	32.99	274	37.29	24	39.69	244
21.6	11.27	23	35.73	299	37.53	16	42.13	273
31.5	11.50	9	38.72	314	37.69	9	44.86	291
Apr. 10.5	11.59	— 3	41.86	316	37.78	0	47.77	298
20.5	11.56	16	45.02	306	37.78	6	50.75	294
30.4	11.40	27	48.08	286	37.72	13	53.69	280
Mai 10.4	11.13	37	50.94	256	37.59	18	56.49	255
20.4	10.76	46	53.50	218	37.41	23	59.04	223
30.4	10.30	52	55.68	174	37.18	28	61.27	185
Juni 9.3	9.78	58	57.42	126	36.90	30	63.12	141
19.3	9.20	62	58.68	74	36.60	33	64.53	94
29.3	8.58	64	59.42	19	36.27	34	65.47	45
Juli 9.3	7.94	64	59.61	— 34	35.93	34	65.92	— 6
19.2	7.30	63	59.27	87	35.59	35	65.86	57
29.2	6.67	61	58.40	138	35.24	33	65.29	106
Aug. 8.2	6.06	56	57.02	187	34.91	31	64.23	153
18.1	5.50	51	55.15	232	34.60	29	62.70	198
28.1	4.99	45	52.83	272	34.31	24	60.72	238
Sept. 7.1	4.54	36	50.11	308	34.07	20	58.34	276
17.1	4.18	27	47.03	336	33.87	15	55.58	307
27.0	3.91	17	43.67	359	33.72	8	52.51	333
Okt. 7.0	3.74	5	40.08	374	33.64	1	49.18	352
17.0	3.69	— 7	36.34	382	33.63	— 7	45.66	365
27.0	3.76	19	32.52	380	33.70	14	42.01	369
Nov. 5.9	3.95	33	28.72	368	33.84	23	38.32	363
15.9	4.28	45	25.04	348	34.07	30	34.69	349
25.9	4.73	56	21.56	317	34.37	37	31.20	324
Dez. 5.9	5.29	66	18.39	276	34.74	44	27.96	290
15.8	5.95	74	15.63	227	35.18	49	25.06	246
25.8	6.69	80	13.36	170	35.67	52	22.60	194
35.8	7.49		11.66		36.19		20.66	
Mittl. Ort	8.60		46.48		35.49		53.96	
sec δ, tg δ	3.381		+3.230		2.021		+1.757	

Mittlere Zeit Greenw.	501) ζ Virginis AR.		501) Dekl.		502) 17 H. Can. ven. AR.		502) Dekl.	
	$13^h 30^m$		$-0° 11'$		$13^h 31^m$		$+37° 34'$	
1922	s		″		s		″	
Jan. 0.8	43.000	320	50.89	201	18.324	370	42.39	196
10.8	43.320	318	52.90	192	18.694	371	40.43	148
20.7	43.638	304	54.82	175	19.065	360	38.95	96
30.7	43.942	283	56.57	153	19.425	337	37.99	42
Feb. 9.7	44.225	255	58.10	127	19.762	306	37.57	— 14
19.6	44.480	223	59.37	98	20.068	267	37.71	65
März 1.6	44.703	189	60.35	69	20.335	223	38.36	114
11.6	44.892	153	61.04	41	20.558	176	39.50	155
21.6	45.045	118	61.45	15	20.734	130	41.05	188
31.5	45.163	85	61.60	— 10	20.864	83	42.93	213
Apr. 10.5	45.248	54	61.50	29	20.947	40	45.06	228
20.5	45.302	25	61.21	46	20.987	— 1	47.34	234
30.4	45.327	— 1	60.75	59	20.986	37	49.68	230
Mai 10.4	45.326	24	60.16	68	20.949	71	51.98	219
20.4	45.302	46	59.48	74	20.878	99	54.17	200
30.4	45.256	66	58.74	77	20.779	123	56.17	176
Juni 9.3	45.190	83	57.97	77	20.656	144	57.93	147
19.3	45.107	98	57.20	75	20.512	161	59.40	113
29.3	45.009	110	56.45	72	20.351	172	60.53	77
Juli 9.3	44.899	120	55.73	67	20.179	180	61.30	39
19.2	44.779	125	55.06	59	19.999	183	61.69	— 1
29.2	44.654	127	54.47	51	19.816	182	61.68	39
Aug. 8.2	44.527	123	53.96	40	19.634	173	61.29	79
18.1	44.404	114	53.56	27	19.461	160	60.50	117
28.1	44.290	98	53.29	12	19.301	139	59.33	153
Sept. 7.1	44.192	76	53.17	— 5	19.162	111	57.80	189
17.1	44.116	46	53.22	25	19.051	77	55.91	220
27.0	44.070	12	53.47	46	18.974	37	53.71	250
Okt. 7.0	44.058	— 29	53.93	71	18.937	— 11	51.21	275
17.0	44.087	74	54.64	95	18.948	62	48.46	294
27.0	44.161	120	55.59	121	19.010	117	45.52	309
Nov. 5.9	44.281	167	56.80	144	19.127	171	42.43	316
15.9	44.448	211	58.24	167	19.298	224	39.27	315
25.9	44.659	250	59.91	185	19.522	272	36.12	305
Dez. 5.9	44.909	282	61.76	198	19.794	314	33.07	287
15.8	45.191	305	63.74	206	20.108	344	30.20	260
25.8	45.496	318	65.80	206	20.452	365	27.60	224
35.8	45.814		67.86		20.817		25.36	
Mittl. Ort	43.030		51.51		18.932		53.62	
sec δ, tg δ	1.000		—0.003		1.262		+0.770	

Mittlere Zeit Greenw.	504) ε Centauri AR.		504) ε Centauri Dekl.		507) τ Bootis AR.		507) τ Bootis Dekl.		509) η Ursae maj. AR.		509) η Ursae maj. Dekl.		510) 89 Virginis AR.		510) 89 Virginis Dekl.	
1922	$13^h\ 34^m$		$-53°\ 3'$		$13^h\ 43^m$		$+17°\ 50'$		$13^h\ 44^m$		$+49°\ 41'$		$13^h\ 45^m$		$-17°\ 44'$	
Jan. 0.8	56.601	484	56.57	113	33.002	326	36.88	210	27.105	422	54.22	195	37.863	335	38.95	177
10.8	57.085	479	57.70	156	33.328	325	34.78	182	27.527	430	52.27	139	38.198	333	40.72	186
20.7	57.564	458	59.26	194	33.653	316	32.96	147	27.957	422	50.88	80	38.531	321	42.58	190
30.7	58.022	428	61.20	227	33.969	298	31.49	107	28.379	401	50.08	18	38.852	301	44.48	186
Feb. 9.7	58.450	388	63.47	251	34.267	271	30.42	65	28.780	369	49.90	43	39.153	275	46.34	178
19.7	58.838	343	65.98	270	34.538	240	29.77	23	29.149	325	50.33	102	39.428	244	48.12	166
März 1.6	59.181	292	68.68	281	34.778	204	29.54	19	29.474	276	51.35	153	39.672	210	49.78	149
11.6	59.473	240	71.49	286	34.982	168	29.73	55	29.750	220	52.88	198	39.882	176	51.27	132
21.6	59.713	187	74.35	285	35.150	130	30.28	88	29.970	163	54.86	234	40.058	141	52.59	113
31.5	59.900	137	77.20	279	35.280	95	31.16	115	30.133	106	57.20	258	40.199	108	53.72	94
Apr. 10.5	60.037	85	79.99	266	35.375	60	32.31	134	30.239	49	59.78	273	40.307	76	54.66	74
20.5	60.122	36	82.65	251	35.435	28	33.65	148	30.288	3	62.51	277	40.383	46	55.40	57
30.5	60.158	10	85.16	229	35.463	1	35.13	155	30.285	51	65.28	270	40.429	18	55.97	39
Mai 10.4	60.148	55	87.45	203	35.462	28	36.68	155	30.234	96	67.98	256	40.447	8	56.36	24
20.4	60.093	97	89.48	174	35.434	52	38.23	150	30.138	134	70.54	231	40.439	33	56.60	8
30.4	59.996	136	91.22	142	35.382	73	39.73	140	30.004	169	72.85	200	40.406	55	56.68	6
Juni 9.3	59.860	172	92.64	106	35.309	93	41.13	126	29.835	196	74.85	164	40.351	77	56.62	20
19.3	59.688	203	93.70	67	35.216	110	42.39	108	29.639	218	76.49	124	40.274	96	56.42	33
29.3	59.485	228	94.37	26	35.106	123	43.47	88	29.421	236	77.73	81	40.178	113	56.09	45
Juli 9.3	59.257	247	94.63	14	34.983	134	44.35	66	29.185	246	78.54	34	40.065	126	55.64	56
19.2	59.010	258	94.49	55	34.849	140	45.01	41	28.939	251	78.88	11	39.939	136	55.08	65
29.2	58.752	260	93.94	94	34.709	143	45.42	16	28.688	249	78.77	58	39.803	140	54.43	74
Aug. 8.2	58.492	251	93.00	132	34.566	140	45.58	10	28.439	240	78.19	104	39.663	138	53.69	79
18.2	58.241	232	91.68	164	34.426	132	45.48	37	28.199	224	77.15	147	39.525	131	52.90	83
28.1	58.009	201	90.04	192	34.294	117	45.11	65	27.975	199	75.68	189	39.394	115	52.07	82
Sept. 7.1	57.808	158	88.12	213	34.177	95	44.46	92	27.776	168	73.79	228	39.279	93	51.25	78
17.1	57.650	105	85.99	226	34.082	67	43.54	121	27.608	127	71.51	262	39.186	63	50.47	68
27.0	57.545	42	83.73	229	34.015	32	42.33	147	27.481	80	68.89	293	39.123	25	49.79	56
Okt. 7.0	57.503	28	81.44	224	33.983	8	40.86	174	27.401	24	65.96	318	39.098	17	49.23	36
17.0	57.531	104	79.20	208	33.991	54	39.12	199	27.377	35	62.78	337	39.115	66	48.87	15
27.0	57.635	179	77.12	184	34.045	101	37.13	219	27.412	100	59.41	348	39.181	116	48.72	12
Nov. 5.9	57.814	254	75.28	150	34.146	151	34.94	237	27.512	166	55.93	351	39.297	165	48.84	40
15.9	58.068	322	73.78	110	34.297	196	32.57	250	27.678	229	52.42	346	39.462	213	49.24	70
25.9	58.390	381	72.68	64	34.493	240	30.07	255	27.907	289	48.96	331	39.675	255	49.94	99
Dez. 5.9	58.771	428	72.04	15	34.733	275	27.52	253	28.196	341	45.65	306	39.930	290	50.93	127
15.8	59.199	461	71.89	35	35.008	303	24.99	245	28.537	383	42.59	271	40.220	315	52.20	150
25.8	59.660	478	72.24	84	35.311	320	22.54	227	28.920	413	39.88	227	40.535	330	53.70	169
35.8	60.138		73.08		35.631		20.27		29.333		37.61		40.865		55.39	
Mittl. Ort	56.041		73.68		33.329		41.73		28.169		67.49		37.801		46.14	
sec δ, tg δ	1.664		−1.330		1.051		+0.322		1.546		+1.179		1.050		−0.320	

Mittlere Zeit Greenw.	512) ζ Centauri AR.		512) ζ Centauri Dekl.		513) η Bootis AR.		513) η Bootis Dekl.		517) 11 Bootis AR.		517) 11 Bootis Dekl.		516) τ Virginis AR.		516) τ Virginis Dekl.	
1922	13ʰ 50ᵐ		−46° 54′		13ʰ 50ᵐ		+18° 46′		13ʰ 57ᵐ		+27° 45′		13ʰ 57ᵐ		+1° 55′	
Jan. 0.8	40.151 ˢ	437	2.40 ″	109	57.867 ˢ	325	72.55 ″	215	37.756 ˢ	336	38.71 ″	219	40.326 ˢ	316	17.78 ″	202
10.8	40.588	435	3.49	147	58.192	328	70.40	185	38.092	342	36.52	180	40.642	319	15.76	190
20.7	41.023	420	4.96	182	58.520	319	68.55	149	38.434	335	34.72	137	40.961	310	13.86	172
30.7	41.443	396	6.78	208	58.839	302	67.06	109	38.769	318	33.35	88	41.271	293	12.14	148
Feb. 9.7	41.839	364	8.86	229	59.141	276	65.97	66	39.087	295	32.47	39	41.564	270	10.66	120
19.7	42.203	325	11.15	245	59.417	247	65.31	22	39.382	263	32.08	12	41.834	242	9.46	90
März 1.6	42.528	283	13.60	253	59.664	212	65.09	19	39.645	228	32.20	58	42.076	211	8.56	59
11.6	42.811	238	16.13	255	59.876	176	65.28	58	39.873	190	32.78	100	42.287	177	7.97	28
21.6	43.049	193	18.68	254	60.052	138	65.86	91	40.063	149	33.78	137	42.464	144	7.69	1
31.6	43.242	148	21.22	247	60.190	103	66.77	119	40.212	111	35.15	166	42.608	112	7.68	25
Apr. 10.5	43.390	104	23.69	235	60.293	68	67.96	139	40.323	73	36.81	187	42.720	80	7.93	45
20.5	43.494	61	26.04	220	60.361	36	69.35	154	40.396	37	38.68	199	42.800	51	8.38	63
30.5	43.555	20	28.24	202	60.397	6	70.89	160	40.433	4	40.67	203	42.851	24	9.01	75
Mai 10.4	43.575	20	30.26	179	60.403	21	72.49	161	40.437	27	42.70	200	42.875	2	9.76	83
20.4	43.555	57	32.05	153	60.382	47	74.10	155	40.410	56	44.70	191	42.873	27	10.59	89
30.4	43.498	94	33.58	126	60.335	70	75.65	145	40.354	80	46.61	175	42.846	49	11.48	89
Juni 9.4	43.404	128	34.84	94	60.265	89	77.10	131	40.274	103	48.36	154	42.797	69	12.37	87
19.3	43.276	157	35.78	61	60.176	108	78.41	112	40.171	123	49.90	128	42.728	89	13.24	84
29.3	43.119	183	36.39	26	60.068	122	79.53	91	40.048	139	51.18	100	42.639	105	14.08	77
Juli 9.3	42.936	204	36.65	10	59.946	135	80.44	68	39.909	152	52.18	70	42.534	118	14.85	69
19.2	42.732	217	36.55	46	59.811	142	81.12	43	39.757	161	52.88	37	42.416	129	15.54	60
29.2	42.515	224	36.09	81	59.669	146	81.55	17	39.596	164	53.25	3	42.287	134	16.14	48
Aug. 8.2	42.291	220	35.28	113	59.523	144	81.72	11	39.432	163	53.28	31	42.153	134	16.62	35
18.2	42.071	208	34.15	142	59.379	137	81.61	39	39.269	156	52.97	65	42.019	129	16.97	21
28.1	41.863	185	32.73	167	59.242	122	81.22	67	39.113	141	52.32	99	41.890	117	17.18	4
Sept. 7.1	41.678	151	31.06	186	59.120	102	80.55	96	38.972	120	51.33	132	41.773	97	17.22	15
17.1	41.527	106	29.20	196	59.018	74	79.59	124	38.852	91	50.01	165	41.676	71	17.07	34
27.0	41.421	54	27.24	201	58.944	40	78.35	152	38.761	55	48.36	195	41.605	38	16.73	57
Okt. 7.0	41.367	8	25.23	195	58.904	1	76.83	179	38.706	14	46.41	222	41.567	2	16.16	80
17.0	41.375	74	23.28	181	58.905	46	75.04	203	38.692	34	44.19	247	41.569	47	15.36	105
27.0	41.449	143	21.47	158	58.951	94	73.01	225	38.726	84	41.72	267	41.616	93	14.31	129
Nov. 5.9	41.592	210	19.89	128	59.045	143	70.76	243	38.810	136	39.05	282	41.709	142	13.02	152
15.9	41.802	274	18.61	92	59.188	191	68.33	254	38.946	187	36.23	290	41.851	187	11.50	173
25.9	42.076	329	17.69	49	59.379	234	65.79	261	39.133	233	33.33	290	42.038	230	9.77	191
Dez. 5.9	42.405	375	17.20	6	59.613	272	63.18	259	39.366	274	30.43	283	42.268	265	7.86	202
15.8	42.780	409	17.14	40	59.885	300	60.59	249	39.640	306	27.60	265	42.533	293	5.84	208
25.8	43.189	429	17.54	85	60.185	319	58.10	231	39.946	329	24.95	240	42.826	311	3.76	208
35.8	43.618		18.39		60.504		55.79		40.275		22.55		43.137		1.68	
Mittl. Ort	39.832		18.38		58.250		77.32		38.326		45.82		40.532		16.77	
sec δ, tg δ	1.464		−1.069		1.056		+0.340		1.130		+0.526		1.001		+0.034	

Mittlere Zeit Greenw.	518) β Centauri AR.		518) β Centauri Dekl.		520) ϑ Centauri AR.		520) ϑ Centauri Dekl.		521) α Draconis AR.		521) α Draconis Dekl.		522) d Bootis AR.		522) d Bootis Dekl.	
1922	13h 58m		−59° 59′		14h 2m		−35° 58′		14h 2m		+64° 44′		14h 6m		+25° 27′	
Jan. 0.8	18.676	564	32.29	65	5.219	379	59.79	127	14.42	57	39.39	193	49.960	330	31.98	223
10.8	19.240	564	32.94	113	5.598	379	61.06	155	14.99	59	37.46	132	50.290	335	29.75	188
20.8	19.804	551	34.07	158	5.977	370	62.61	178	15.58	60	36.14	67	50.625	331	27.87	146
30.7	20.355	523	35.65	196	6.347	350	64.39	195	16.18	58	35.47	1	50.956	317	26.41	99
Feb. 9.7	20.878	483	37.61	230	6.697	324	66.34	206	16.76	54	35.48	66	51.273	294	25.42	51
19.7	21.361	436	39.91	256	7.021	291	68.40	213	17.30	48	36.14	129	51.567	266	24.91	3
März 1.6	21.797	382	42.47	276	7.312	256	70.53	212	17.78	42	37.43	185	51.833	232	24.88	44
11.6	22.179	325	45.23	289	7.568	219	72.65	209	18.20	34	39.28	232	52.065	194	25.32	87
21.6	22.504	265	48.12	295	7.787	181	74.74	202	18.54	26	41.60	268	52.259	158	26.19	124
31.6	22.769	204	51.07	296	7.968	143	76.76	191	18.80	16	44.28	295	52.417	120	27.43	153
Apr. 10.5	22.973	143	54.03	291	8.111	107	78.67	178	18.96	8	47.23	309	52.537	83	28.96	176
20.5	23.116	83	56.94	279	8.218	71	80.45	162	19.04	1	50.32	312	52.620	49	30.72	189
30.5	23.199	24	59.73	264	8.289	37	82.07	145	19.03	8	53.44	303	52.669	15	32.61	197
Mai 10.5	23.223	35	62.37	242	8.326	3	83.52	126	18.95	17	56.47	284	52.684	15	34.58	195
20.4	23.188	90	64.79	215	8.329	29	84.78	105	18.78	23	59.31	257	52.669	43	36.53	187
30.4	23.098	144	66.94	185	8.300	60	85.83	83	18.55	29	61.88	221	52.626	70	38.40	174
Juni 9.4	22.954	193	68.79	149	8.240	88	86.66	58	18.26	34	64.09	180	52.556	93	40.14	155
19.3	22.761	238	70.28	110	8.152	115	87.24	33	17.92	38	65.89	134	52.463	114	41.69	132
29.3	22.523	275	71.38	69	8.037	139	87.57	7	17.54	40	67.23	84	52.349	131	43.01	105
Juli 9.3	22.248	304	72.07	25	7.898	158	87.64	20	17.14	43	68.07	33	52.218	146	44.06	77
19.3	21.944	325	72.32	20	7.740	172	87.44	46	16.71	43	68.40	19	52.072	157	44.83	45
29.2	21.619	333	72.12	65	7.568	181	86.98	71	16.28	44	68.21	71	51.915	162	45.28	14
Aug. 8.2	21.286	330	71.47	107	7.387	182	86.27	95	15.84	42	67.50	122	51.753	162	45.42	19
18.2	20.956	312	70.40	148	7.205	174	85.32	115	15.42	40	66.28	171	51.591	157	45.23	53
28.1	20.644	279	68.92	183	7.031	157	84.17	131	15.02	36	64.57	215	51.434	144	44.70	85
Sept. 7.1	20.365	234	67.09	212	6.874	132	82.86	143	14.66	32	62.42	257	51.290	124	43.85	118
17.1	20.131	172	64.97	233	6.742	97	81.43	147	14.34	26	59.85	294	51.166	97	42.67	151
27.1	19.959	101	62.64	246	6.645	54	79.96	147	14.08	19	56.91	326	51.069	63	41.16	180
Okt. 7.0	19.858	18	60.18	249	6.591	2	78.49	139	13.89	11	53.65	350	51.006	21	39.36	209
17.0	19.840	71	57.69	241	6.589	53	77.10	122	13.78	3	50.15	367	50.985	25	37.27	234
27.0	19.911	162	55.28	223	6.642	112	75.88	101	13.75	6	46.48	377	51.010	74	34.93	256
Nov. 6.0	20.073	254	53.05	196	6.754	172	74.87	72	13.81	16	42.71	378	51.084	126	32.37	272
15.9	20.327	338	51.09	160	6.926	227	74.15	39	13.97	25	38.93	369	51.210	176	29.65	282
25.9	20.665	412	49.49	117	7.153	277	73.76	2	14.22	35	35.24	349	51.386	223	26.83	285
Dez. 5.9	21.077	475	48.32	69	7.430	320	73.74	35	14.57	42	31.75	319	51.609	264	23.98	280
15.8	21.552	522	47.63	18	7.750	351	74.09	73		50	28.56	278	51.873	298	21.18	265
25.8	22.074	550	47.45	34	8.101	370	74.82	107	15.49	55	25.78	229	52.171	321	18.53	243
35.8	22.624		47.79		8.471		75.89		16.04		23.49		52.492		16.10	
Mittl. Ort	18.272		51.28		5.101		73.09		16.59		53.94		50.541		37.93	
sec δ, tg δ	2.000		−1.732		1.236		−0.726		2.344		+2.119		1.107		+0.476	

Mittlere Zeit Greenw.	523) κ Virginis AR.		523) κ Virginis Dekl.		524) 4 Ursae min. AR.		524) 4 Ursae min. Dekl.		525) ι Virginis AR.		525) ι Virginis Dekl.		526) α Bootis AR.		526) α Bootis Dekl.	
1922	14h 8m		−9° 54′		14h 8m		+77° 54′		14h 11m		−5° 37′		14h 12m		+19° 34′	
	s		″		s		″		s		″		s		″	
Jan. 0.8	43.780	321	35.45	180	62.54	104	35.46	177	55.088	316	40.39	189	5.675	317	72.42	228
10.8	44.101	324	37.25	182	63.58	109	33.69	114	55.404	320	42.28	186	5.992	324	70.14	197
20.8	44.425	316	39.07	176	64.67	113	32.55	48	55.724	314	44.14	176	6.316	320	68.17	162
30.7	44.741	302	40.83	166	65.80	110	32.07	—21	56.038	300	45.90	161	6.636	306	66.55	120
Feb. 9.7	45.043	279	42.49	150	66.90	104	32.28	87	56.338	278	47.51	140	6.942	286	65.35	76
19.7	45.322	253	43.99	130	67.94	94	33.15	149	56.616	252	48.91	117	7.228	258	64.59	32
März 1.7	45.575	223	45.29	109	68.88	82	34.64	204	56.868	222	50.08	92	7.486	227	64.27	—12
11.6	45.798	190	46.38	87	69.70	67	36.68	250	57.090	192	51.00	66	7.713	192	64.39	53
21.6	45.988	159	47.25	64	70.37	49	39.18	285	57.282	159	51.66	42	7.905	158	64.92	88
31.6	46.147	127	47.89	42	70.86	31	42.03	310	57.441	128	52.08	19	8.063	122	65.80	118
Apr. 10.5	46.274	97	48.31	23	71.17	12	45.13	320	57.569	98	52.27	—2	8.185	87	66.98	141
20.5	46.371	67	48.54	6	71.29	—6	48.33	321	57.667	68	52.25	19	8.272	55	68.39	157
30.5	46.438	39	48.60	—9	71.23	24	51.54	309	57.735	40	52.06	34	8.327	24	69.96	165
Mai 10.5	46.477	12	48.51	22	70.99	40	54.63	287	57.775	14	51.72	44	8.351	—6	71.61	167
20.4	46.489	—13	48.29	32	70.59	55	57.50	256	57.789	—12	51.28	52	8.345	33	73.28	163
30.4	46.476	38	47.97	41	70.04	68	60.06	218	57.777	36	50.76	59	8.312	58	74.91	154
Juni 9.4	46.438	60	47.56	47	69.36	78	62.24	173	57.741	59	50.17	62	8.254	82	76.45	138
19.4	46.378	82	47.09	52	68.58	87	63.97	124	57.682	80	49.55	63	8.172	103	77.83	121
29.3	46.296	101	46.57	57	67.71	93	65.21	72	57.602	100	48.92	64	8.069	121	79.04	99
Juli 9.3	46.195	117	46.00	59	66.78	97	65.93	19	57.502	115	48.28	63	7.948	136	80.03	74
19.3	46.078	130	45.41	61	65.81	98	66.12	—37	57.387	129	47.65	60	7.812	148	80.77	49
29.2	45.948	138	44.80	61	64.83	98	65.75	89	57.258	136	47.05	55	7.664	154	81.26	21
Aug. 8.2	45.810	140	44.19	58	63.85	95	64.86	140	57.122	140	46.50	49	7.510	157	81.47	—7
18.2	45.670	136	43.61	55	62.90	89	63.46	190	56.982	136	46.01	42	7.353	152	81.40	37
28.2	45.534	125	43.06	49	62.01	83	61.56	234	56.846	126	45.59	31	7.201	141	81.03	66
Sept. 7.1	45.409	107	42.57	39	61.18	72	59.22	275	56.720	108	45.28	19	7.060	122	80.37	96
17.1	45.302	80	42.18	27	60.46	61	56.47	310	56.612	82	45.09	4	6.938	97	79.41	126
27.1	45.222	47	41.91	10	59.85	48	53.37	340	56.530	50	45.05	—15	6.841	64	78.15	155
Okt. 7.1	45.175	5	41.81	—8	59.37	33	49.97	362	56.480	9	45.20	35	6.777	24	76.60	183
17.0	45.170	—39	41.89	30	59.04	16	46.35	377	56.471	—34	45.55	58	6.753	—20	74.77	208
27.0	45.209	88	42.19	55	58.88	—1	42.58	383	56.505	83	46.13	82	6.773	69	72.69	231
Nov. 6.0	45.297	138	42.74	80	58.89	20	38.75	380	56.588	132	46.95	107	6.842	119	70.38	250
15.9	45.435	185	43.54	106	59.09	38	34.95	367	56.720	179	48.02	130	6.961	169	67.88	263
25.9	45.620	229	44.60	129	59.47	56	31.28	344	56.899	223	49.32	152	7.130	213	65.25	269
Dez. 5.9	45.849	266	45.89	151	60.03	73	27.84	310	57.122	260	50.84	170	7.343	255	62.56	270
15.9	46.115	294	47.40	166	60.76	87	24.74	267	57.382	289	52.54	182	7.598	286	59.86	261
25.8	46.409	314	49.06	178	61.63	99	22.07	217	57.671	309	54.36	190	7.884	309	57.25	243
35.8	46.723		50.84		62.62		19.90		57.980		56.26		8.193		54.82	
Mittl. Ort	43.928		40.80		67.62		50.60		55.294		44.45		6.186		76.38	
sec δ, tg δ	1.015		—0.175		4.776		+4.670		1.005		—0.098		1.061		+0.356	

Mittlere Zeit Greenw.	527) λ Bootis				531) ϑ Bootis				534) ρ Bootis				535) γ Bootis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	14h 13m		+46° 26′		14h 22m		+52° 12′		14h 28m		+30° 42′		14h 28m		+38° 38′	
	s	Diff.	″	Diff.	s	Diff.	″	Diff.	s	Diff.	″	Diff.	s	Diff.	″	Diff.
Jan. 0.8	24.031	389	34.43	224	31.057	416	27.40	231	27.326	329	41.11	236	55.273	349	47.58	238
10.8	24.420	402	32.19	173	31.473	436	25.09	176	27.655	341	38.75	197	55.622	363	45.20	194
20.8	24.822	403	30.46	116	31.909	440	23.33	117	27.996	342	36.78	152	55.985	366	43.26	143
30.7	25.225	389	29.30	56	32.349	430	22.16	53	28.338	332	35.26	102	56.351	356	41.83	87
Feb. 9.7	25.614	366	28.74	6	32.779	407	21.63	10	28.670	314	34.24	49	56.707	338	40.96	29
19.7	25.980	332	28.80	66	33.186	372	21.73	73	28.984	288	33.75	4	57.045	310	40.67	29
März 1.7	26.312	291	29.46	122	33.558	329	22.46	131	29.272	256	33.79	55	57.355	276	40.96	84
11.6	26.603	244	30.68	170	33.887	277	23.77	182	29.528	221	34.34	102	57.631	237	41.80	133
21.6	26.847	193	32.38	211	34.164	222	25.59	225	29.749	183	35.36	143	57.868	195	43.13	175
31.6	27.040	141	34.49	243	34.386	165	27.84	257	29.932	144	36.79	176	58.063	152	44.88	210
Apr. 10.6	27.181	91	36.92	264	34.551	106	30.41	279	30.076	106	38.55	201	58.215	108	46.98	234
20.5	27.272	41	39.56	274	34.657	48	33.20	290	30.182	69	40.56	218	58.323	65	49.32	250
30.5	27.313	7	42.30	274	34.705	6	36.10	290	30.251	32	42.74	225	58.388	25	51.82	255
Mai 10.5	27.306	50	45.04	266	34.699	58	39.00	280	30.283	1	44.99	224	58.413	14	54.37	252
20.4	27.256	90	47.70	247	34.641	105	41.80	262	30.282	34	47.23	217	58.399	50	56.89	240
30.4	27.166	127	50.17	223	34.536	148	44.42	235	30.248	64	49.40	201	58.349	84	59.29	221
Juni 9.4	27.039	159	52.40	191	34.388	186	46.77	202	30.184	92	51.41	180	58.265	115	61.50	195
19.4	26.880	186	54.31	155	34.202	219	48.79	163	30.092	116	53.21	155	58.150	142	63.45	165
29.3	26.694	208	55.86	114	33.983	246	50.42	120	29.976	139	54.76	125	58.008	165	65.10	130
Juli 9.3	26.486	226	57.00	71	33.737	266	51.62	74	29.837	157	56.01	93	57.843	184	66.40	91
19.3	26.260	238	57.71	26	33.471	280	52.36	27	29.680	171	56.94	57	57.659	199	67.31	52
29.2	26.022	242	57.97	20	33.191	288	52.63	23	29.509	181	57.51	22	57.460	209	67.83	10
Aug. 8.2	25.780	241	57.77	65	32.903	286	52.40	70	29.328	184	57.73	16	57.251	210	67.93	33
18.2	25.539	232	57.12	110	32.617	277	51.70	117	29.144	181	57.57	54	57.041	207	67.60	74
28.2	25.307	215	56.02	153	32.340	259	50.53	163	28.963	171	57.03	90	56.834	195	66.86	115
Sept. 7.1	25.092	189	54.49	194	32.081	232	48.90	206	28.792	152	56.13	127	56.639	175	65.71	156
17.1	24.903	155	52.55	232	31.849	195	46.84	246	28.640	127	54.86	162	56.464	147	64.15	193
27.1	24.748	113	50.23	266	31.654	149	44.38	281	28.513	94	53.24	196	56.317	110	62.22	228
Okt. 7.1	24.635	63	47.57	296	31.505	94	41.57	311	28.419	52	51.28	226	56.207	67	59.94	260
17.0	24.572	6	44.61	320	31.411	33	38.46	336	28.367	5	49.02	253	56.140	16	57.34	287
27.0	24.566	54	41.41	337	31.378	34	35.10	353	28.362	46	46.49	276	56.124	39	54.47	308
Nov. 6.0	24.620	119	38.04	347	31.412	105	31.57	363	28.408	99	43.73	293	56.163	97	51.39	323
15.9	24.739	181	34.57	347	31.517	175	27.94	362	28.507	154	40.80	303	56.260	155	48.16	329
25.9	24.920	242	31.10	340	31.692	242	24.32	353	28.661	204	37.77	305	56.415	210	44.87	328
Dez. 5.9	25.162	295	27.70	321	31.934	305	20.79	333	28.865	251	34.72	299	56.625	260	41.59	317
15.9	25.457	341	24.49	292	32.239	357	17.46	302	29.116	288	31.73	283	56.885	303	38.42	295
25.8	25.798	375	21.57	254	32.596	399	14.44	262	29.404	317	28.90	258	57.188	335	35.47	264
35.8	26.173		19.03		32.995		11.82		29.721		26.32		57.523		32.83	
Mittl. Ort	25.184		45.22		32.519		38.67		28.127		47.28		56.271		55.66	
sec δ, tg δ	1.451		+1.052		1.632		+1.290		1.163		+0.594		1.280		+0.800	

Mittlere Zeit Greenw.	537) η Centauri AR.		537) η Centauri Dekl.		538) α Centauri*) AR.		538) α Centauri*) Dekl.		543) ζ Bootis med. AR.		543) ζ Bootis med. Dekl.		542) α Apodis AR.		542) α Apodis Dekl.	
1922	14h 30m		−41° 48′		14h 34m		−60° 30′		14h 37m		+14° 3′		14h 38m		−78° 42′	
	s		″		s		″		s		″		s		″	
Jan. 0.8	32.718	399	42.55	80	17.93	55	27.79	24	24.837	305	42.47	222	5.32	127	33.90	46
10.8	33.117	406	43.35	113	18.48	57	28.03	71	25.142	316	40.25	199	6.59	131	33.44	11
20.8	33.523	402	44.48	142	19.05	56	28.74	116	25.458	316	38.26	169	7.90	132	33.55	67
30.8	33.925	389	45.90	166	19.61	54	29.90	156	25.774	307	36.57	133	9.22	130	34.22	120
Feb. 9.7	34.314	367	47.56	185	20.15	51	31.46	192	26.081	291	35.24	95	10.52	124	35.42	168
19.7	34.681	337	49.41	199	20.66	47	33.38	222	26.372	269	34.29	53	11.76	117	37.10	211
März 1.7	35.018	305	51.40	207	21.13	42	35.60	244	26.641	241	33.76	12	12.93	106	39.21	248
11.6	35.323	269	53.47	210	21.55	37	38.04	261	26.882	212	33.64	28	13.99	94	41.69	279
21.6	35.592	230	55.57	209	21.92	31	40.65	272	27.094	180	33.92	63	14.93	80	44.48	304
31.6	35.822	192	57.66	205	22.23	25	43.37	278	27.274	148	34.55	94	15.73	66	47.52	320
Apr. 10.6	36.014	154	59.71	198	22.48	19	46.15	277	27.422	116	35.49	118	16.39	50	50.72	330
20.5	36.168	114	61.69	187	22.67	13	48.92	272	27.538	85	36.67	137	16.89	34	54.02	334
30.5	36.282	76	63.56	174	22.80	7	51.64	261	27.623	54	38.04	149	17.23	17	57.36	330
Mai 10.5	36.358	38	65.30	158	22.87	1	54.25	245	27.677	25	39.53	155	17.40	0	60.66	318
20.5	36.396	1	66.88	140	22.88	6	56.70	224	27.702	4	41.08	155	17.40	16	63.84	301
30.4	36.395	38	68.28	118	22.82	11	58.94	197	27.698	30	42.63	150	17.24	32	66.85	275
Juni 9.4	36.357	73	69.46	96	22.71	17	60.91	167	27.668	57	44.13	140	16.92	48	69.60	245
19.4	36.284	108	70.42	69	22.54	22	62.58	134	27.611	80	45.53	126	16.44	62	72.05	206
29.3	36.176	140	71.11	42	22.32	27	63.92	94	27.531	103	46.79	109	15.82	75	74.11	163
Juli 9.3	36.036	166	71.53	13	22.05	31	64.86	54	27.428	122	47.88	89	15.07	84	75.74	115
19.3	35.870	187	71.66	17	21.74	34	65.40	11	27.306	137	48.77	69	14.23	92	76.89	64
29.3	35.683	203	71.49	47	21.40	35	65.51	33	27.169	149	49.46	45	13.31	97	77.53	10
Aug. 8.2	35.480	209	71.02	76	21.05	36	65.18	76	27.020	155	49.91	20	12.34	97	77.63	44
18.2	35.271	207	70.26	102	20.69	35	64.42	117	26.865	155	50.11	5	11.37	96	77.19	98
28.2	35.064	195	69.24	126	20.34	33	63.25	156	26.710	148	50.06	31	10.41	90	76.21	150
Sept. 7.1	34.869	171	67.98	144	20.01	29	61.69	188	26.562	134	49.75	59	9.51	79	74.71	195
17.1	34.698	136	66.54	158	19.72	23	59.81	215	26.428	111	49.16	86	8.72	66	72.76	235
27.1	34.562	93	64.96	165	19.49	17	57.66	234	26.317	80	48.30	114	8.06	49	70.41	267
Okt. 7.1	34.469	39	63.31	165	19.32	8	55.32	243	26.237	44	47.16	141	7.57	31	67.74	288
17.0	34.430	20	61.66	156	19.24	0	52.89	242	26.193	0	45.75	168	7.26	9	64.86	299
27.0	34.450	83	60.10	141	19.24	10	50.47	232	26.193	47	44.07	192	7.17	14	61.87	298
Nov. 6.0	34.533	150	58.69	117	19.34	20	48.15	212	26.240	97	42.15	213	7.31	36	58.89	285
15.9	34.683	211	57.52	88	19.54	28	46.03	182	26.337	146	40.02	230	7.67	58	56.04	261
25.9	34.894	270	56.64	55	19.82	37	44.21	145	26.483	192	37.72	242	8.25	79	53.43	226
Dez. 5.9	35.164	319	56.09	17	20.19	44	42.76	102	26.675	235	35.30	247	9.04	95	51.17	183
15.9	35.483	358	55.92	21	20.63	50	41.74	55	26.910	269	32.83	244	9.99	110	49.34	134
25.8	35.841	386	56.13	59	21.13	53	41.19	5	27.179	295	30.39	235	11.09	122	48.00	79
35.8	36.227		56.72		21.66		41.14		27.474		28.04		12.31		47.21	
Mittl. Ort	32.782		57.84		17.90		56.19		25.398		43.52		5.68		55.59	
sec δ, tg δ	1.342		−0.895		2.032		−1.769		1.031		+0.251		5.110		−5.011	

*) Ort des hellen Sterns; die jährliche Parallaxe (0.″75) ist bereits berücksichtigt

Mittlere Zeit Greenw.	545) μ Virginis AR.		Dekl.		547) 109 Virginis AR.		Dekl.		548) α Librae AR.		Dekl.		549) Gr. 2164 AR.		Dekl.	
1922	14h 38m		−5° 19′		14h 42m		+2° 13′		14h 46m		−15° 42′		14h 49m		+59° 36′	
Jan. 0.8	56.470	308	6.93	183	17.788	302	17.14	199	33.268	315	58.46	149	25.348	453	27.16	249
10.8	56.778	316	8.76	179	18.090	312	15.15	188	33.583	326	59.95	158	25.801	488	24.67	195
20.8	57.094	315	10.55	169	18.402	312	13.27	170	33.909	325	61.53	159	26.289	505	22.72	134
30.8	57.409	306	12.24	155	18.714	303	11.57	148	34.234	316	63.12	155	26.794	507	21.38	68
Feb. 9.7	57.715	289	13.79	134	19.017	287	10.09	119	34.550	301	64.67	148	27.301	490	20.70	2
19.7	58.004	267	15.13	111	19.304	266	8.90	89	34.851	279	66.15	134	27.791	459	20.68	65
März 1.7	58.271	240	16.24	86	19.570	241	8.01	57	35.130	254	67.49	119	28.250	416	21.33	127
11.6	58.511	213	17.10	60	19.811	213	7.44	25	35.384	227	68.68	102	28.666	362	22.60	182
21.6	58.724	184	17.70	34	20.024	183	7.19	4	35.611	197	69.70	83	29.028	300	24.42	229
31.6	58.908	153	18.04	12	20.207	153	7.23	31	35.808	168	70.53	66	29.328	232	26.71	267
Apr. 10.6	59.061	124	18.16	9	20.360	124	7.54	54	35.976	138	71.19	49	29.560	161	29.38	293
20.5	59.185	95	18.07	26	20.484	94	8.08	72	36.114	108	71.68	34	29.721	91	32.31	309
30.5	59.280	67	17.81	40	20.578	65	8.80	85	36.222	79	72.02	20	29.812	21	35.40	312
Mai 10.5	59.347	38	17.41	51	20.643	38	9.65	95	36.301	51	72.22	7	29.833	46	38.52	305
20.5	59.385	12	16.90	58	20.681	9	10.60	99	36.352	21	72.29	3	29.787	110	41.57	290
30.4	59.397	16	16.32	64	20.690	17	11.59	100	36.373	7	72.26	12	29.677	168	44.47	263
Juni 9.4	59.381	41	15.68	66	20.673	43	12.59	98	36.366	36	72.14	21	29.509	221	47.10	232
19.4	59.340	66	15.02	66	20.630	67	13.57	94	36.330	62	71.93	29	29.288	267	49.42	192
29.3	59.274	89	14.36	65	20.563	91	14.51	86	36.268	88	71.64	35	29.021	306	51.34	148
Juli 9.3	59.185	110	13.71	63	20.472	111	15.37	76	36.180	111	71.29	42	28.715	338	52.82	101
19.3	59.075	126	13.08	59	20.361	128	16.13	65	36.069	130	70.87	47	28.377	361	53.83	51
29.3	58.949	139	12.49	54	20.233	140	16.78	53	35.939	144	70.40	52	28.016	375	54.34	1
Aug. 8.2	58.810	146	11.95	47	20.093	148	17.31	39	35.795	154	69.88	56	27.641	380	54.35	51
18.2	58.664	147	11.48	39	19.945	149	17.70	24	35.641	155	69.32	57	27.261	375	53.84	102
28.2	58.517	141	11.09	29	19.796	143	17.94	7	35.486	150	68.75	58	26.886	358	52.82	150
Sept. 7.1	58.376	126	10.80	16	19.653	129	18.01	12	35.336	135	68.17	54	26.528	331	51.32	197
17.1	58.250	104	10.64	2	19.524	108	17.89	31	35.201	113	67.63	48	26.197	292	49.35	239
27.1	58.146	73	10.62	15	19.416	78	17.58	53	35.088	82	67.15	38	25.905	241	46.96	279
Okt. 7.1	58.073	35	10.77	34	19.338	42	17.05	76	35.006	42	66.77	25	25.664	181	44.17	312
17.0	58.038	8	11.11	56	19.296	2	16.29	99	34.964	3	66.52	8	25.483	110	41.05	340
27.0	58.046	55	11.67	79	19.298	48	15.30	123	34.967	52	66.44	13	25.373	33	37.65	361
Nov. 6.0	58.101	106	12.46	102	19.346	98	14.07	146	35.019	104	66.57	36	25.340	50	34.04	373
16.0	58.207	154	13.48	126	19.444	146	12.61	167	35.123	155	66.93	60	25.390	135	30.31	375
25.9	58.361	201	14.74	145	19.590	192	10.94	184	35.278	203	67.53	84	25.525	218	26.56	368
Dez. 5.9	58.562	240	16.19	163	19.782	233	9.10	197	35.481	246	68.37	108	25.743	298	22.88	350
15.9	58.802	274	17.82	176	20.015	267	7.13	204	35.727	279	69.45	127	26.041	367	19.38	320
25.9	59.076	298	19.58	183	20.282	291	5.09	204	36.006	305	70.72	144	26.408	426	16.18	281
35.8	59.374		21.41		20.573		3.05		36.311		72.16		26.834		13.37	
Mittl. Ort	56.826		11.83		18.233		14.44		33.582		66.72		27.476		37.58	
sec δ, tg δ	1.004		−0.093		1.001		+0.039		1.039		−0.281		1.977		+1.705	

Mittlere Zeit Greenw.	550) β Ursae min.				551) P. XIV 221				552) β Lupi				555) β Bootis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	14h 50m		+74° 28′		14h 52m		+14° 45′		14h 53m		−42° 48′		14h 58m		+40° 41′	
	s		″		s		″		s		″		s		″	
Jan. 0.8	50.46	75	15.72	233	31.640	299	37.67	226	24.601	395	59.41	53	59.252	336	44.28	261
10.8	51.21	83	13.39	175	31.939	312	35.41	203	24.996	408	59.94	85	59.588	358	41.67	217
20.8	52.04	87	11.64	111	32.251	315	33.38	172	25.404	410	60.79	116	59.946	368	39.50	166
30.8	52.91	89	10.53	43	32.566	309	31.66	138	25.814	401	61.95	141	60.314	366	37.84	110
Feb. 9.7	53.80	87	10.10	25	32.875	295	30.28	97	26.215	384	63.36	162	60.680	354	36.74	51
19.7	54.67	81	10.35	91	33.170	276	29.31	55	26.599	359	64.98	177	61.034	333	36.23	10
März 1.7	55.48	74	11.26	154	33.446	251	28.76	13	26.958	329	66.75	188	61.367	304	36.33	68
11.6	56.22	64	12.80	207	33.697	223	28.63	28	27.287	297	68.63	195	61.671	269	37.01	121
21.6	56.86	52	14.87	253	33.920	192	28.91	64	27.584	261	70.58	197	61.940	230	38.22	168
31.6	57.38	39	17.40	288	34.112	162	29.55	97	27.845	224	72.55	197	62.170	189	39.90	208
Apr. 10.6	57.77	25	20.28	311	34.274	130	30.52	123	28.069	186	74.52	192	62.359	145	41.98	237
20.5	58.02	11	23.39	323	34.404	100	31.75	143	28.255	148	76.44	185	62.504	102	44.35	258
30.5	58.13	3	26.62	322	34.504	68	33.18	156	28.403	108	78.29	176	62.606	59	46.93	269
Mai 10.5	58.10	16	29.84	312	34.572	38	34.74	162	28.511	68	80.05	163	62.665	16	49.62	269
20.4	57.94	30	32.96	291	34.610	9	36.36	163	28.579	27	81.68	148	62.681	23	52.31	260
30.4	57.64	41	35.87	261	34.619	19	37.99	159	28.606	12	83.16	130	62.658	62	54.91	245
Juni 9.4	57.23	51	38.48	225	34.600	47	39.58	148	28.594	53	84.46	109	62.596	99	57.36	221
19.4	56.72	60	40.73	181	34.553	74	41.06	135	28.541	91	85.55	86	62.497	131	59.57	193
29.3	56.12	67	42.54	134	34.479	97	42.41	117	28.450	126	86.41	60	62.366	161	61.50	158
Juli 9.3	55.45	72	43.88	83	34.382	119	43.58	98	28.324	158	87.01	33	62.205	186	63.08	120
19.3	54.73	77	44.71	31	34.263	138	44.56	75	28.166	185	87.34	4	62.019	207	64.28	79
29.3	53.96	78	45.02	23	34.125	151	45.31	51	27.981	206	87.38	26	61.812	222	65.07	36
Aug. 8.2	53.18	79	44.79	76	33.974	159	45.82	26	27.775	217	87.12	55	61.590	230	65.43	8
18.2	52.39	76	44.03	127	33.815	162	46.08	1	27.558	220	86.57	83	61.360	231	65.35	51
28.2	51.63	73	42.76	176	33.653	157	46.07	28	27.338	211	85.74	109	61.129	225	64.84	95
Sept. 7.1	50.90	68	41.00	223	33.496	144	45.79	55	27.127	192	84.65	131	60.904	209	63.89	138
17.1	50.22	60	38.77	265	33.352	124	45.24	84	26.935	162	83.34	148	60.695	185	62.51	179
27.1	49.62	51	36.12	302	33.228	95	44.40	113	26.773	120	81.86	159	60.510	151	60.72	217
Okt. 7.1	49.11	40	33.10	333	33.133	59	43.27	140	26.653	69	80.27	163	60.359	108	58.55	252
17.0	48.71	28	29.77	359	33.074	16	41.87	168	26.584	9	78.64	159	60.251	60	56.03	283
27.0	48.43	14	26.18	374	33.058	30	40.19	192	26.575	54	77.05	148	60.191	3	53.20	307
Nov. 6.0	48.29	1	22.44	380	33.088	81	38.27	214	26.629	122	75.57	130	60.188	55	50.13	327
16.0	48.30	16	18.64	380	33.169	131	36.13	232	26.751	187	74.27	105	60.243	116	46.86	337
25.9	48.46	31	14.84	368	33.300	178	33.81	244	26.938	248	73.22	74	60.359	175	43.49	339
Dez. 5.9	48.77	45	11.16	345	33.478	222	31.37	250	27.186	302	72.48	41	60.534	230	40.10	331
15.9	49.22	59	7.71	310	33.700	259	28.87	248	27.488	346	72.07	4	60.764	279	36.79	314
25.9	49.81	70	4.61	267	33.959	286	26.39	237	27.834	379	72.03	32	61.043	317	33.65	285
35.8	50.51		1.94		34.245		24.02		28.213		72.35		61.360		30.80	
Mittl. Ort	54.96		27.40		32.284		38.19		24.848		75.08		60.473		50.80	
sec δ, tg δ	3.736		+3.600		1.034		+0.263		1.363		−0.927		1.319		+0.860	

Mittlere Zeit Greenw.	556) γ Scorpii				557) ψ Bootis				558) ζ Lupi				560) γ Triang. austr.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	14ʰ 59ᵐ		−24° 58′		15ʰ 1ᵐ		+27° 14′		15ʰ 6ᵐ		−51° 47′		15ʰ 11ᵐ		−68° 23′	
	s		″		s		″		s		″		s		″	
Jan. 0.8	29.670	328	24.07	111	5.297	305	60.13	249	39.834	447	54.88	5	35.59	69	14.15	61
10.8	29.998	340	25.18	128	5.602	323	57.64	215	40.281	466	54.93	44	36.28	72	13.54	12
20.8	30.338	343	26.46	139	5.925	329	55.49	175	40.747	473	55.37	82	37.00	75	13.42	38
30.8	30.681	336	27.85	147	6.254	326	53.74	129	41.220	468	56.19	115	37.75	74	13.80	84
Feb. 9.7	31.017	321	29.32	148	6.580	314	52.45	77	41.688	451	57.34	145	38.49	73	14.64	128
19.7	31.338	302	30.80	146	6.894	296	51.68	26	42.139	428	58.79	171	39.22	69	15.92	166
März 1.7	31.640	277	32.26	140	7.190	270	51.42	26	42.567	396	60.50	190	39.91	64	17.58	201
11.7	31.917	250	33.66	132	7.460	241	51.68	73	42.963	361	62.40	206	40.55	59	19.59	230
21.6	32.167	221	34.98	120	7.701	209	52.41	117	43.324	321	64.46	217	41.14	53	21.89	252
31.6	32.388	191	36.18	109	7.910	174	53.58	154	43.645	279	66.63	223	41.67	45	24.41	270
Apr. 10.6	32.579	161	37.27	96	8.084	140	55.12	184	43.924	235	68.86	225	42.12	38	27.11	282
20.5	32.740	130	38.23	85	8.224	105	56.96	204	44.159	188	71.11	224	42.50	30	29.93	288
30.5	32.870	99	39.08	72	8.329	69	59.00	217	44.347	141	73.35	219	42.80	21	32.81	288
Mai 10.5	32.969	68	39.80	61	8.398	36	61.17	222	44.488	92	75.54	209	43.01	12	35.69	283
20.5	33.037	35	40.41	48	8.434	2	63.39	218	44.580	43	77.63	195	43.13	4	38.52	270
30.4	33.072	4	40.89	37	8.436	31	65.57	209	44.623	8	79.58	178	43.17	5	41.22	253
Juni 9.4	33.076	27	41.26	24	8.405	61	67.66	192	44.615	58	81.36	156	43.12	14	43.75	229
19.4	33.049	59	41.50	12	8.344	90	69.58	171	44.557	105	82.92	131	42.98	22	46.04	199
29.4	32.990	88	41.62	1	8.254	116	71.29	145	44.452	151	84.23	102	42.76	30	48.03	164
Juli 9.3	32.902	114	41.61	14	8.138	141	72.74	116	44.301	192	85.25	70	42.46	36	49.67	124
19.3	32.788	137	41.47	28	7.997	160	73.90	83	44.109	226	85.95	36	42.10	43	50.91	81
29.3	32.651	156	41.19	41	7.837	175	74.73	50	43.883	252	86.31	1	41.67	46	51.72	34
Aug. 8.2	32.495	166	40.78	54	7.662	184	75.23	14	43.631	269	86.30	37	41.21	50	52.06	14
18.2	32.329	171	40.24	64	7.478	187	75.37	22	43.362	275	85.93	73	40.71	50	51.92	62
28.2	32.158	167	39.60	74	7.291	183	75.15	58	43.087	267	85.20	107	40.21	48	51.30	110
Sept. 7.2	31.991	153	38.86	80	7.108	170	74.57	94	42.820	246	84.13	138	39.73	45	50.20	153
17.1	31.838	130	38.06	82	6.938	150	73.63	130	42.574	213	82.75	164	39.28	39	48.67	193
27.1	31.708	98	37.24	80	6.788	120	72.33	165	42.361	165	81.11	183	38.89	31	46.74	224
Okt. 7.1	31.610	57	36.44	73	6.668	83	70.68	196	42.196	106	79.28	196	38.58	22	44.50	247
17.1	31.553	10	35.71	62	6.585	38	68.72	227	42.090	38	77.32	199	38.36	10	42.03	262
27.0	31.543	42	35.09	46	6.547	10	66.45	252	42.052	37	75.33	195	38.26	1	39.41	265
Nov. 6.0	31.585	98	34.63	25	6.557	64	63.93	274	42.089	115	73.38	181	38.27	14	36.76	258
16.0	31.683	152	34.38	1	6.621	116	61.19	288	42.204	192	71.57	160	38.41	27	34.18	241
26.0	31.835	203	34.37	25	6.737	169	58.31	297	42.396	264	69.97	132	38.68	38	31.77	213
Dez. 5.9	32.038	249	34.62	51	6.906	216	55.34	296	42.660	330	68.65	97	39.06	49	29.64	178
15.9	32.287	287	35.13	78	7.122	258	52.38	286	42.990	384	67.68	58	39.55	58	27.86	136
25.9	32.574	315	35.91	100	7.380	290	49.52	267	43.374	425	67.10	19	40.13	65	26.50	90
35.8	32.889		36.91		7.670		46.85		43.799		66.91		40.78		25.60	
Mittl. Ort	30.008		35.22		6.188		63.49		40.216		72.44		36.30		34.32	
sec δ, tg δ	1.103		−0.466		1.125		+0.515		1.617		−1.271		2.716		−2.526	

Mittlere Zeit Greenw.	563) δ Bootis				564) β Librae				565) 1 H. Urs. min.				566) φ¹ Lupi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$15^h 12^m$		$+33° 36'$		$15^h 12^m$		$-9° 5'$		$15^h 13^m$		$+67° 38'$		$15^h 16^m$		$-35° 58'$	
	s		″		s		″		s		″		s		″	
Jan. 0.9	20.406	309	13.96	263	47.925	296	38.94	159	40.99	53	24.34	266	50.596	353	32.17	55
10.8	20.715	330	11.33	225	48.221	310	40.53	160	41.52	59	21.68	214	50.949	369	32.72	82
20.8	21.045	341	9.08	181	48.531	315	42.13	155	42.11	63	19.54	152	51.318	376	33.54	104
30.8	21.386	342	7.27	129	48.846	311	43.68	145	42.74	64	18.02	87	51.694	372	34.58	123
Feb. 9.7	21.728	332	5.98	75	49.157	300	45.13	130	43.38	64	17.15	18	52.066	360	35.81	137
19.7	22.060	315	5.23	18	49.457	283	46.43	110	44.02	61	16.97	50	52.426	342	37.18	147
März 1.7	22.375	291	5.05	37	49.740	263	47.53	89	44.63	56	17.47	114	52.768	319	38.65	153
11.7	22.666	261	5.42	91	50.003	239	48.42	67	45.19	51	18.61	174	53.087	292	40.18	155
21.6	22.927	228	6.33	136	50.242	212	49.09	44	45.70	43	20.35	224	53.379	262	41.73	154
31.6	23.155	192	7.69	177	50.454	186	49.53	23	46.13	34	22.59	265	53.641	231	43.27	151
Apr. 10.6	23.347	155	9.46	208	50.640	158	49.76	4	46.47	25	25.24	297	53.872	199	44.78	146
20.6	23.502	117	11.54	231	50.798	130	49.80	12	46.72	15	28.21	315	54.071	164	46.24	140
30.5	23.619	79	13.85	245	50.928	102	49.68	26	46.87	6	31.36	322	54.235	130	47.64	132
Mai 10.5	23.698	41	16.30	249	51.030	72	49.42	37	46.93	3	34.58	319	54.365	93	48.96	122
20.5	23.739	5	18.79	246	51.102	43	49.05	44	46.90	13	37.77	306	54.458	57	50.18	110
30.4	23.744	32	21.25	234	51.145	13	48.61	50	46.77	21	40.83	282	54.515	19	51.28	98
Juni 9.4	23.712	66	23.59	216	51.158	16	48.11	53	46.56	29	43.65	251	54.534	19	52.26	83
19.4	23.646	98	25.75	191	51.142	45	47.58	54	46.27	36	46.16	214	54.515	56	53.09	66
29.4	23.548	128	27.66	162	51.097	72	47.04	56	45.91	42	48.30	169	54.459	92	53.75	47
Juli 9.3	23.420	154	29.28	129	51.025	98	46.48	54	45.49	47	49.99	123	54.367	125	54.22	27
19.3	23.266	176	30.57	93	50.927	121	45.94	54	45.02	51	51.22	72	54.242	153	54.49	6
29.3	23.090	193	31.50	55	50.806	139	45.40	50	44.51	53	51.94	20	54.089	177	54.55	17
Aug. 8.3	22.897	205	32.05	15	50.667	152	44.90	47	43.98	54	52.14	33	53.912	193	54.38	39
18.2	22.692	209	32.20	26	50.515	158	44.43	43	43.44	54	51.81	85	53.719	200	53.99	61
28.2	22.483	206	31.94	66	50.357	157	44.00	36	42.90	53	50.96	137	53.519	199	53.38	81
Sept. 7.2	22.277	194	31.28	106	50.200	147	43.64	28	42.37	50	49.59	184	53.320	186	52.57	98
17.1	22.083	173	30.22	145	50.053	129	43.36	17	41.87	45	47.75	231	53.134	162	51.59	112
27.1	21.910	144	28.77	183	49.924	101	43.19	4	41.42	39	45.44	271	52.972	128	50.47	121
Okt. 7.1	21.766	106	26.94	218	49.823	66	43.15	11	41.03	32	42.73	309	52.844	85	49.26	124
17.1	21.660	61	24.76	249	49.757	24	43.26	29	40.71	23	39.64	339	52.759	32	48.02	120
27.0	21.599	9	22.27	276	49.733	23	43.55	50	40.48	14	36.25	362	52.727	24	46.82	111
Nov. 6.0	21.590	45	19.51	298	49.756	74	44.05	71	40.34	3	32.63	377	52.751	86	45.71	94
16.0	21.635	102	16.53	313	49.830	125	44.76	93	40.31	8	28.86	382	52.837	147	44.77	75
26.0	21.737	156	13.40	320	49.955	172	45.69	113	40.39	19	25.04	378	52.984	205	44.02	48
Dez. 5.9	21.893	209	10.20	317	50.127	217	46.82	132	40.58	30	21.26	362	53.189	258	43.54	20
15.9	22.102	254	7.03	305	50.344	254	48.14	148	40.88	40	17.64	336	53.447	301	43.34	10
25.9	22.356	291	3.98	283	50.598	283	49.62	157	41.28	49	14.28	297	53.748	336	43.44	40
35.8	22.647		1.15		50.881		51.19		41.77		11.31		54.084		43.84	
Mittl. Ort	21.489		18.09		48.423		45.93		44.22		33.62		51.021		46.24	
sec δ, tg δ	1.201		+0.664		1.013		−0.160		2.629		+2.431		1.236		−0.726	

Mittlere Zeit Greenw.	569) γ Ursae min. AR.		569) γ Ursae min. Dekl.		568) μ Bootis AR.		568) μ Bootis Dekl.	
1922	$15^h\,20^m$		+72° 6′		$15^h\,21^m$		+37° 38′	
	s		″		s		″	
Jan. 0.9	46.23	61	32.55	267	31.372	310	55.52	271
10.8	46.84	69	29.88	214	31.682	335	52.81	233
20.8	47.53	74	27.74	153	32.017	349	50.48	186
30.8	48.27	77	26.21	87	32.366	353	48.62	132
Feb. 9.8	49.04	78	25.34	20	32.719	345	47.30	75
19.7	49.82	74	25.14	50	33.064	330	46.55	15
März 1.7	50.56	70	25.64	114	33.394	307	46.40	42
11.7	51.26	62	26.78	173	33.701	277	46.82	98
21.6	51.88	53	28.51	225	33.978	244	47.80	146
31.6	52.41	43	30.76	267	34.222	207	49.26	189
Apr. 10.6	52.84	31	33.43	298	34.429	167	51.15	222
20.6	53.15	19	36.41	317	34.596	128	53.37	247
30.5	53.34	7	39.58	326	34.724	87	55.84	261
Mai 10.5	53.41	5	42.84	323	34.811	47	58.45	266
20.5	53.36	16	46.07	310	34.858	6	61.11	263
30.5	53.20	27	49.17	287	34.864	32	63.74	251
Juni 9.4	52.93	37	52.04	256	34.832	69	66.25	231
19.4	52.56	46	54.60	218	34.763	104	68.56	207
29.4	52.10	54	56.78	175	34.659	137	70.63	175
Juli 9.3	51.56	59	58.53	127	34.522	165	72.38	141
19.3	50.97	65	59.80	77	34.357	190	73.79	102
29.3	50.32	68	60.57	25	34.167	209	74.81	61
Aug. 8.3	49.64	70	60.82	29	33.958	222	75.42	20
18.2	48.94	70	60.53	81	33.736	228	75.62	24
28.2	48.24	67	59.72	132	33.508	225	75.38	66
Sept. 7.2	47.57	65	58.40	181	33.283	215	74.72	110
17.1	46.92	59	56.59	227	33.068	194	73.62	150
27.1	46.33	52	54.32	268	32.874	165	72.12	190
Okt. 7.1	45.81	43	51.64	306	32.709	127	70.22	227
17.1	45.38	33	48.58	336	32.582	80	67.95	259
27.0	45.05	21	45.22	360	32.502	28	65.36	288
Nov. 6.0	44.84	8	41.62	375	32.474	28	62.48	310
16.0	44.76	5	37.87	381	32.502	88	59.38	325
26.0	44.81	19	34.06	376	32.590	145	56.13	332
Dez. 5.9	45.00	31	30.30	362	32.735	201	52.81	329
15.9	45.31	45	26.68	335	32.936	249	49.52	316
25.9	45.76	55	23.33	298	33.185	291	46.36	293
35.9	46.31		20.35		33.476		43.43	
Mittl. Ort	50.40		41.53		32.603		59.88	
sec δ, tg δ	3.256		+3.098		1.263		+0.771	

Mittlere Zeit Greenw.	571) ι Draconis AR.		571) ι Draconis Dekl.		572) β Coron. bor. AR.		572) β Coron. bor. Dekl.	
1922	$15^h\,23^m$		+59° 14′		$15^h\,24^m$		+29° 22′	
	s		″		s		″	
Jan. 0.9	9.223	409	12.26	280	35.741	293	23.04	262
10.8	9.632	455	9.46	231	36.034	315	20.42	228
20.8	10.087	483	7.15	173	36.349	327	18.14	188
30.8	10.570	496	5.42	109	36.676	328	16.26	141
Feb. 9.8	11.066	493	4.33	43	37.004	323	14.85	88
19.7	11.559	474	3.90	24	37.327	307	13.97	35
März 1.7	12.033	442	4.14	90	37.634	287	13.62	19
11.7	12.475	398	5.04	150	37.921	261	13.81	70
21.6	12.873	345	6.54	203	38.182	230	14.51	116
31.6	13.218	284	8.57	247	38.412	198	15.67	157
Apr. 10.6	13.502	219	11.04	280	38.610	165	17.24	190
20.6	13.721	151	13.84	304	38.775	129	19.14	214
30.5	13.872	82	16.88	315	38.904	93	21.28	230
Mai 10.5	13.954	14	20.03	316	38.997	58	23.58	237
20.5	13.968	52	23.19	307	39.055	22	25.95	236
30.5	13.916	116	26.26	288	39.077	13	28.31	227
Juni 9.4	13.800	175	29.14	261	39.064	46	30.58	212
19.4	13.625	228	31.75	227	39.018	79	32.70	192
29.4	13.397	277	34.02	187	38.939	110	34.62	165
Juli 9.3	13.120	316	35.89	143	38.829	138	36.27	135
19.3	12.804	350	37.32	95	38.691	160	37.62	103
29.3	12.454	374	38.27	45	38.531	181	38.65	67
Aug. 8.3	12.080	389	38.72	6	38.350	193	39.32	31
18.2	11.691	393	38.66	57	38.157	201	39.63	8
28.2	11.298	385	38.09	109	37.956	199	39.55	46
Sept. 7.2	10.913	367	37.00	157	37.757	191	39.09	84
17.1	10.546	336	35.43	203	37.566	172	38.25	122
27.1	10.210	293	33.40	247	37.394	146	37.03	159
Okt. 7.1	9.917	238	30.93	285	37.248	110	35.44	193
17.1	9.679	173	28.08	319	37.138	67	33.51	226
27.0	9.506	99	24.89	346	37.071	19	31.25	253
Nov. 6.0	9.407	18	21.43	364	37.052	35	28.72	277
16.0	9.389	68	17.79	375	37.087	88	25.95	293
26.0	9.457	152	14.04	374	37.175	143	23.02	304
Dez. 5.9	9.609	234	10.30	364	37.318	193	19.98	305
15.9	9.843	311	6.66	342	37.511	238	16.93	297
25.9	10.154	376	3.24	308	37.749	275	13.96	279
35.9	10.530		0.16		38.024		11.17	
Mittl. Ort	11.538		19.91		36.777		25.47	
sec δ, tg δ	1.955		+1.680		1.147		+0.563	

Mittlere Zeit Greenw.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
	573) ν¹ Bootis				575) γ Lupi				577) γ Librae				578) α Coron. bor.			
1922	$15^h\,28^m$		+41° 5′		$15^h\,29^m$		−40° 54′		$15^h\,31^m$		−14° 31′		$15^h\,31^m$		+26° 58′	
Jan. 0.9	6.266	314	49.05	279	55.596	365	5.61	23	9.038	294	40.56	131	22.082	286	33.26	260
10.8	6.580	342	46.26	239	55.961	387	5.84	52	9.332	310	41.87	137	22.368	308	30.66	229
20.8	6.922	358	43.87	190	56.348	396	6.36	79	9.642	319	43.24	138	22.676	321	28.37	191
30.8	7.280	365	41.97	135	56.744	395	7.15	103	9.961	317	44.62	133	22.997	323	26.46	147
Feb. 9.8	7.645	360	40.62	76	57.139	386	8.18	121	10.278	309	45.95	125	23.320	318	24.99	96
19.7	8.005	345	39.86	14	57.525	370	9.39	138	10.587	296	47.20	112	23.638	305	24.03	44
März 1.7	8.350	322	39.72	45	57.895	348	10.77	149	10.883	278	48.32	96	23.943	286	23.59	9
11.7	8.672	294	40.17	103	58.243	321	12.26	156	11.161	255	49.28	79	24.229	262	23.68	58
21.7	8.966	259	41.20	153	58.564	292	13.82	161	11.416	232	50.07	61	24.491	233	24.26	105
31.6	9.225	220	42.73	197	58.856	261	15.43	163	11.648	207	50.68	43	24.724	202	25.31	145
Apr. 10.6	9.445	180	44.70	232	59.117	226	17.06	162	11.855	180	51.11	28	24.926	170	26.76	178
20.6	9.625	137	47.02	258	59.343	191	18.68	159	12.035	152	51.39	14	25.096	137	28.54	203
30.5	9.762	94	49.60	273	59.534	154	20.27	154	12.187	123	51.53	1	25.233	102	30.57	220
Mai 10.5	9.856	51	52.33	278	59.688	115	21.81	147	12.310	94	51.54	8	25.335	67	32.77	228
20.5	9.907	8	55.11	275	59.803	74	23.28	137	12.404	64	51.46	16	25.402	32	35.05	229
30.5	9.915	33	57.86	263	59.877	32	24.65	125	12.468	32	51.30	23	25.434	2	37.34	222
Juni 9.4	9.882	73	60.49	243	59.909	9	25.90	110	12.500	0	51.07	27	25.432	35	39.56	208
19.4	9.809	111	62.92	217	59.900	51	27.00	93	12.500	31	50.80	32	25.397	69	41.64	189
29.4	9.698	146	65.09	185	59.849	92	27.93	74	12.469	62	50.48	35	25.328	100	43.53	165
Juli 9.4	9.552	177	66.94	149	59.757	128	28.67	51	12.407	91	50.13	37	25.228	127	45.18	137
19.3	9.375	203	68.43	108	59.629	162	29.18	27	12.316	117	49.76	40	25.101	153	46.55	106
29.3	9.172	224	69.51	66	59.467	190	29.45	2	12.199	139	49.36	41	24.948	172	47.61	72
Aug. 8.3	8.948	237	70.17	23	59.277	209	29.47	25	12.060	154	48.95	43	24.776	187	48.33	37
18.2	8.711	245	70.40	23	59.068	220	29.22	52	11.906	165	48.52	44	24.589	195	48.70	1
28.2	8.466	244	70.17	68	58.848	220	28.70	76	11.741	165	48.08	42	24.394	196	48.71	36
Sept. 7.2	8.222	233	69.49	112	58.628	208	27.94	99	11.576	159	47.66	40	24.198	188	48.35	74
17.2	7.989	213	68.37	155	58.420	186	26.95	118	11.417	142	47.26	35	24.010	171	47.61	110
27.1	7.776	183	66.82	196	58.234	151	25.77	132	11.275	116	46.91	28	23.839	145	46.51	146
Okt. 7.1	7.593	144	64.86	234	58.083	106	24.45	141	11.159	82	46.63	16	23.694	112	45.05	180
17.1	7.449	97	62.52	269	57.977	52	23.04	142	11.077	40	46.47	2	23.582	70	43.25	212
27.0	7.352	44	59.83	297	57.925	8	21.62	138	11.037	8	46.45	15	23.512	22	41.13	241
Nov. 6.0	7.308	16	56.86	320	57.933	74	20.24	126	11.045	59	46.60	33	23.490	30	38.72	265
16.0	7.324	76	53.66	335	58.007	138	18.98	107	11.104	111	46.93	54	23.520	83	36.07	283
26.0	7.400	138	50.31	342	58.145	201	17.91	84	11.215	161	47.47	75	23.603	136	33.24	294
Dez. 5.9	7.538	196	46.89	339	58.346	258	17.07	56	11.376	206	48.22	96	23.739	187	30.30	298
15.9	7.734	247	43.50	326	58.604	307	16.51	26	11.582	247	49.18	112	23.926	230	27.32	291
25.9	7.981	292	40.24	301	58.911	346	16.25	6	11.829	278	50.30	127	24.156	268	24.41	276
35.9	8.273		37.23		59.257		16.31		12.107		51.57		24.424		21.65	
Mittl. Ort	7.633		53.61		56.122		20.74		9.596		49.38		23.095		34.76	
sec δ, tg δ	1.327		+0.872		1.323		−0.866		1.033		−0.259		1.122		+0.509	

Mittlere Zeit Greenw.	582) α Serpentis				583) β Serpentis				584) κ Serpentis				585) μ Serpentis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	15ʰ 40ᵐ		+6° 40′		15ʰ 42ᵐ		+15° 39′		15ʰ 45ᵐ		+18° 22′		15ʰ 45ᵐ		−3° 11′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	24.723	271	15.90	206	34.353	270	55.46	234	12.771	269	54.47	243	32.159	273	26.99	170
10.8	24.994	291	13.84	193	34.623	292	53.12	214	13.040	292	52.04	220	32.432	292	28.69	166
20.8	25.285	302	11.91	173	34.915	303	50.98	186	13.332	304	49.84	190	32.724	302	30.35	155
30.8	25.587	303	10.18	147	35.218	307	49.12	151	13.636	309	47.94	153	33.026	305	31.90	139
Feb. 9.8	25.890	298	8.71	115	35.525	303	47.61	111	13.945	305	46.41	110	33.331	299	33.29	118
19.7	26.188	287	7.56	81	35.828	292	46.50	68	14.250	295	45.31	65	33.630	289	34.47	94
März 1.7	26.475	270	6.75	44	36.120	275	45.82	24	14.545	278	44.66	18	33.919	273	35.41	66
11.7	26.745	250	6.31	8	36.395	254	45.58	20	14.823	258	44.48	27	34.192	254	36.07	39
21.7	26.995	226	6.23	27	36.649	231	45.78	60	15.081	234	44.75	69	34.446	232	36.46	11
31.6	27.221	202	6.50	57	36.880	204	46.38	97	15.315	207	45.44	107	34.678	208	36.57	13
Apr. 10.6	27.423	175	7.07	85	37.084	177	47.35	127	15.522	179	46.51	140	34.886	183	36.44	36
20.6	27.598	148	7.92	105	37.261	147	48.62	151	15.701	150	47.91	164	35.069	157	36.08	53
30.5	27.746	118	8.97	122	37.408	117	50.13	169	15.851	118	49.55	182	35.226	129	35.55	68
Mai 10.5	27.864	90	10.19	133	37.525	86	51.82	179	15.969	86	51.37	193	35.355	100	34.87	79
20.5	27.954	59	11.52	138	37.611	54	53.61	183	16.055	55	53.30	196	35.455	70	34.08	85
30.5	28.013	28	12.90	137	37.665	21	55.44	180	16.110	21	55.26	194	35.525	39	33.23	87
Juni 9.4	28.041	3	14.27	134	37.686	10	57.24	173	16.131	12	57.20	184	35.564	7	32.36	87
19.4	28.038	34	15.61	126	37.676	42	58.97	160	16.119	44	59.04	171	35.571	24	31.49	85
29.4	28.004	64	16.87	114	37.634	73	60.57	144	16.075	75	60.75	152	35.547	55	30.64	80
Juli 9.3	27.940	91	18.01	100	37.561	101	62.01	123	16.000	105	62.27	130	35.492	83	29.84	73
19.3	27.849	118	19.01	85	37.460	127	63.24	100	15.895	130	63.57	106	35.409	111	29.11	65
29.3	27.731	138	19.86	67	37.333	148	64.24	76	15.765	153	64.63	78	35.298	133	28.46	56
Aug. 8.3	27.593	155	20.53	49	37.185	165	65.00	48	15.612	169	65.41	50	35.165	151	27.90	47
18.2	27.438	166	21.02	28	37.020	176	65.48	21	15.443	181	65.91	20	35.014	163	27.43	35
28.2	27.272	168	21.30	7	36.844	178	65.69	8	15.262	183	66.11	11	34.851	166	27.08	24
Sept. 7.2	27.104	162	21.37	15	36.666	172	65.61	37	15.079	178	66.00	43	34.685	161	26.84	10
17.2	26.942	148	21.22	38	36.494	159	65.24	67	14.901	164	65.57	75	34.524	148	26.74	5
27.1	26.794	126	20.84	62	36.335	136	64.57	97	14.737	142	64.82	107	34.376	125	26.79	21
Okt. 7.1	26.668	94	20.22	86	36.199	104	63.60	127	14.595	110	63.75	137	34.251	94	27.00	39
17.1	26.574	56	19.36	112	36.095	66	62.33	156	14.485	72	62.38	168	34.157	55	27.39	59
27.1	26.518	11	18.24	135	36.029	21	60.77	183	14.413	26	60.70	195	34.102	11	27.98	79
Nov. 6.0	26.507	38	16.89	158	36.008	28	58.94	206	14.387	23	58.75	220	34.091	39	28.77	100
16.0	26.545	87	15.31	179	36.036	79	56.88	227	14.410	74	56.55	240	34.130	88	29.77	121
26.0	26.632	136	13.52	196	36.115	129	54.61	242	14.484	125	54.15	255	34.218	138	30.98	138
Dez. 5.9	26.768	182	11.56	208	36.244	177	52.19	251	14.609	173	51.60	263	34.356	183	32.36	155
15.9	26.950	223	9.48	214	36.421	218	49.68	252	14.782	215	48.97	262	34.539	224	33.91	166
25.9	27.173	255	7.34	212	36.639	253	47.16	245	14.997	251	46.35	255	34.763	256	35.57	171
35.9	27.428		5.22		36.892		44.71		15.248		43.80		35.019		37.28	
Mittl. Ort	25.475		12.21		35.220		53.82		13.687		53.31		32.847		33.27	
sec δ, tg δ	1.007		+0.117		1.038		+0.281		1.054		+0.333		1.001		−0.055	

Mittlere Zeit Greenw.	590) ζ Ursae min. AR.		Dekl.		588) ε Serpentis AR.		Dekl.		589) β Triang. austr. AR.		Dekl.		593) ε Coron. bor. AR.		Dekl.	
1922	15ʰ 46ᵐ		+78° 1′		15ʰ 46ᵐ		+4° 42′		15ʰ 48ᵐ		−63° 11′		15ʰ 54ᵐ		+27° 5′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	41.90	77	59.65	283	54.820	268	45.82	199	14.26	55	10.69	88	20.342	268	70.03	266
10.8	42.67	90	56.82	233	55.088	288	43.83	188	14.81	58	9.81	45	20.610	295	67.37	239
20.8	43.57	101	54.49	176	55.376	299	41.95	169	15.39	61	9.36	2	20.905	311	64.98	203
30.8	44.58	108	52.73	113	55.675	303	40.26	146	16.00	62	9.34	40	21.216	318	62.95	158
Feb. 9.8	45.66	111	51.60	46	55.978	298	38.80	116	16.62	62	9.74	80	21.534	318	61.37	109
19.7	46.77	110	51.14	23	56.276	287	37.64	84	17.24	60	10.54	116	21.852	310	60.28	58
März 1.7	47.87	104	51.37	88	56.563	272	36.80	49	17.84	57	11.70	149	22.162	293	59.70	3
11.7	48.91	96	52.25	150	56.835	254	36.31	14	18.41	54	13.19	177	22.455	274	59.67	47
21.7	49.87	84	53.75	204	57.089	230	36.17	19	18.95	50	14.96	202	22.729	250	60.14	96
31.6	50.71	70	55.79	250	57.319	207	36.36	50	19.45	44	16.98	221	22.979	221	61.10	139
Apr. 10.6	51.41	54	58.29	286	57.526	181	36.86	75	19.89	39	19.19	236	23.200	191	62.49	174
20.6	51.95	36	61.15	310	57.707	155	37.61	97	20.28	33	21.55	247	23.391	159	64.23	203
30.5	52.31	18	64.25	323	57.862	126	38.58	112	20.61	26	24.02	253	23.550	125	66.26	222
Mai 10.5	52.49	0	67.48	326	57.988	96	39.70	124	20.87	20	26.55	253	23.675	91	68.48	233
20.5	52.49	19	70.74	317	58.084	66	40.94	129	21.07	12	29.08	249	23.766	55	70.81	236
30.5	52.30	35	73.91	299	58.150	36	42.23	129	21.19	5	31.57	238	23.821	19	73.17	232
Juni 9.4	51.95	51	76.90	272	58.186	4	43.52	127	21.24	3	33.95	223	23.840	17	75.49	221
19.4	51.44	66	79.62	239	58.190	28	44.79	120	21.21	10	36.18	201	23.823	52	77.70	203
29.4	50.78	79	82.01	198	58.162	58	45.99	109	21.11	17	38.19	175	23.771	85	79.73	181
Juli 9.4	49.99	89	83.99	153	58.104	87	47.08	97	20.94	24	39.94	143	23.686	118	81.54	153
19.3	49.10	98	85.52	105	58.017	114	48.05	83	20.70	30	41.37	106	23.568	145	83.07	123
29.3	48.12	104	86.57	54	57.903	136	48.88	67	20.40	35	42.43	67	23.423	170	84.30	91
Aug. 8.3	47.08	107	87.11	2	57.767	153	49.55	50	20.05	38	43.10	24	23.253	187	85.21	54
18.2	46.01	110	87.13	50	57.614	165	50.05	31	19.67	40	43.34	21	23.066	200	85.75	18
28.2	44.91	108	86.63	102	57.449	168	50.36	13	19.27	41	43.13	65	22.866	204	85.93	19
Sept. 7.2	43.83	104	85.61	152	57.281	164	50.49	9	18.86	39	42.48	107	22.662	200	85.74	57
17.2	42.79	98	84.09	198	57.117	151	50.40	30	18.47	36	41.41	147	22.462	187	85.17	95
27.1	41.81	89	82.11	243	56.966	129	50.10	53	18.11	30	39.94	181	22.275	164	84.22	131
Okt. 7.1	40.92	78	79.68	282	56.837	98	49.57	75	17.81	24	38.13	209	22.111	133	82.91	168
17.1	40.14	63	76.86	316	56.739	60	48.82	100	17.57	15	36.04	227	21.978	93	81.23	201
27.0	39.51	48	73.70	343	56.679	16	47.82	123	17.42	5	33.77	238	21.885	48	79.22	231
Nov. 6.0	39.03	30	70.27	363	56.663	32	46.59	146	17.37	5	31.39	238	21.837	3	76.91	257
16.0	38.73	9	66.64	373	56.695	82	45.13	166	17.42	15	29.01	229	21.840	58	74.34	278
26.0	38.64	10	62.91	374	56.777	132	43.47	183	17.57	26	26.72	211	21.898	110	71.56	292
Dez. 5.9	38.74	30	59.17	364	56.909	177	41.64	197	17.83	35	24.61	183	22.008	161	68.64	297
15.9	39.04	49	55.53	343	57.086	218	39.67	203	18.18	44	22.78	150	22.169	209	65.67	295
25.9	39.53	67	52.10	310	57.304	251	37.64	204	18.62	50	21.28	114	22.378	247	62.72	282
35.9	40.20		49.00		57.555		35.60		19.12		20.14		22.625		59.90	
Mittl. Ort	48.58		66.51		55.578		41.41		15.32		29.33		21.440		70.20	
sec δ, tg δ	4.824		+4.719		1.003		+0.082		2.217		−1.979		1.123		+0.512	

Mittlere Zeit Greenw.	594) δ Scorpii AR.		Dekl.		598) ϑ Draconis AR.		Dekl.	
1922	15h 55m		−22° 23′		16h 0m		+58° 46′	
Jan. 0.9	42.408	292	52.54	83	23.073	353	19.05	307
10.9	42.700	313	53.37	96	23.426	408	15.98	265
20.8	43.013	326	54.33	105	23.834	447	13.33	212
30.8	43.339	329	55.38	108	24.281	473	11.21	152
Feb. 9.8	43.668	325	56.46	109	24.754	483	9.69	87
19.7	43.993	315	57.55	104	25.237	477	8.82	19
März 1.7	44.308	301	58.59	98	25.714	459	8.63	48
11.7	44.609	282	59.57	88	26.173	426	9.11	112
21.7	44.891	260	60.45	78	26.599	384	10.23	170
31.6	45.151	237	61.23	68	26.983	334	11.93	221
Apr. 10.6	45.388	212	61.91	58	27.317	275	14.14	262
20.6	45.600	184	62.49	48	27.592	212	16.76	292
30.6	45.784	156	62.97	40	27.804	146	19.68	313
Mai 10.5	45.940	125	63.37	32	27.950	79	22.81	323
20.5	46.065	94	63.69	25	28.029	11	26.04	321
30.5	46.159	57	63.94	20	28.040	56	29.25	310
Juni 9.4	46.216	22	64.14	13	27.984	119	32.35	291
19.4	46.238	12	64.27	8	27.865	181	35.26	262
29.4	46.226	48	64.35	1	27.684	235	37.88	228
Juli 9.4	46.178	81	64.36	5	27.449	285	40.16	188
19.3	46.097	113	64.31	13	27.164	328	42.04	143
29.3	45.984	140	64.18	20	26.836	362	43.47	95
Aug. 8.3	45.844	160	63.98	29	26.474	387	44.42	46
18.3	45.684	174	63.69	36	26.087	402	44.88	6
28.2	45.510	181	63.33	43	25.685	405	44.82	57
Sept. 7.2	45.329	176	62.90	49	25.280	396	44.25	109
17.2	45.153	163	62.41	52	24.884	375	43.16	157
27.2	44.990	139	61.89	53	24.509	341	41.59	204
Okt. 7.1	44.851	106	61.36	50	24.168	294	39.55	248
17.1	44.745	64	60.86	43	23.874	236	37.07	287
27.1	44.681	16	60.43	32	23.638	167	34.20	321
Nov. 6.0	44.665	38	60.11	19	23.471	89	30.99	346
16.0	44.703	91	59.92	1	23.382	8	27.53	365
26.0	44.794	145	59.91	19	23.374	78	23.88	373
Dez. 6.0	44.939	194	60.10	38	23.452	162	20.15	370
15.9	45.133	238	60.48	58	23.614	243	16.45	357
25.9	45.371	273	61.06	76	23.857	314	12.88	332
35.9	45.644		61.82		24.171		9.56	
Mittl. Ort	43.065		63.49		25.522		23.49	
sec δ, tg δ	1.082		−0.412		1.929		+1.649	

Mittlere Zeit Greenw.	597) β Scorpii AR.		Dekl.		603) δ Ophiuchi AR.		Dekl.	
1922	16h 0m		−19° 35′		16h 10m		−3° 29′	
Jan. 0.9	53.202	283	25.01	92	14.586	257	33.69	162
10.9	53.485	305	25.93	103	14.843	279	35.31	159
20.8	53.790	318	26.96	109	15.122	294	36.90	149
30.8	54.108	322	28.05	110	15.416	300	38.39	133
Feb. 9.8	54.430	320	29.15	107	15.716	300	39.72	113
19.7	54.750	310	30.22	100	16.016	292	40.85	89
März 1.7	55.060	297	31.22	89	16.308	281	41.74	62
11.7	55.357	280	32.11	79	16.589	266	42.36	35
21.7	55.637	259	32.90	66	16.855	247	42.71	8
31.6	55.896	236	33.56	53	17.102	226	42.79	17
Apr. 10.6	56.132	212	34.09	41	17.328	203	42.62	39
20.6	56.344	186	34.50	31	17.531	179	42.23	58
30.6	56.530	157	34.81	21	17.710	151	41.65	72
Mai 10.5	56.687	128	35.02	14	17.861	124	40.93	83
20.5	56.815	95	35.16	8	17.985	93	40.10	89
30.5	56.910	62	35.24	2	18.078	62	39.21	91
Juni 9.4	56.972	28	35.26	2	18.140	29	38.30	91
19.4	57.000	8	35.24	7	18.169	6	37.39	88
29.4	56.992	43	35.17	11	18.163	38	36.51	82
Juli 9.4	56.949	77	35.06	15	18.125	70	35.69	75
19.3	56.872	107	34.91	19	18.055	100	34.94	67
29.3	56.765	135	34.72	25	17.955	127	34.27	57
Aug. 8.3	56.630	157	34.47	30	17.828	148	33.70	47
18.3	56.473	171	34.17	35	17.680	163	33.23	36
28.2	56.302	177	33.82	39	17.517	170	32.87	23
Sept. 7.2	56.125	175	33.43	42	17.347	170	32.64	11
17.2	55.950	163	33.01	42	17.177	160	32.53	3
27.2	55.787	140	32.59	41	17.017	141	32.56	19
Okt. 7.1	55.647	108	32.18	36	16.876	112	32.75	36
17.1	55.539	67	31.82	28	16.764	76	33.11	54
27.1	55.472	21	31.54	17	16.688	33	33.65	73
Nov. 6.0	55.451	31	31.37	1	16.655	15	34.38	94
16.0	55.482	84	31.36	15	16.670	64	35.32	113
26.0	55.566	137	31.51	34	16.734	115	36.45	130
Dez. 6.0	55.703	185	31.85	53	16.849	161	37.75	146
15.9	55.888	229	32.38	72	17.010	203	39.21	157
25.9	56.117	265	33.10	87	17.213	238	40.78	163
35.9	56.382		33.97		17.451		42.41	
Mittl. Ort	53.887		35.35		15.369		40.63	
sec δ, tg δ	1.061		−0.356		1.002		−0.061	

Mittlere Zeit Greenw.	606) 19 Urs. min. AR.		Dekl.		604) γ² Normae AR.		Dekl.		605) ε Ophiuchi AR.		Dekl.		608) τ Herculis AR.		Dekl.	
1922	16h 12m		+76° 4′		16h 13m		−49° 57′		16h 14m		−4° 30′		16h 17m		+46° 29′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	55.71	59	23.98	306	58.736	380	40.15	62	10.735	255	5.51	156	21.973	279	52.61	311
10.9	56.30	73	20.92	262	59.116	414	39.53	29	10.990	279	7.07	153	22.252	321	49.50	275
20.8	57.03	83	18.30	210	59.530	437	39.24	2	11.269	293	8.60	144	22.573	351	46.75	230
30.8	57.86	90	16.20	149	59.967	449	39.26	32	11.562	300	10.04	130	22.924	372	44.45	176
Feb. 9.8	58.76	95	14.71	84	60.416	450	39.58	60	11.862	300	11.34	111	23.296	380	42.69	116
19.8	59.71	96	13.87	16	60.866	443	40.18	86	12.162	294	12.45	88	23.676	379	41.53	53
März 1.7	60.67	93	13.71	51	61.309	428	41.04	107	12.456	282	13.33	63	24.055	367	41.00	11
11.7	61.60	88	14.22	116	61.737	408	42.11	126	12.738	268	13.96	36	24.422	346	41.11	74
21.7	62.48	79	15.38	175	62.145	382	43.37	142	13.006	250	14.32	10	24.768	319	41.85	132
31.6	63.27	69	17.13	226	62.527	351	44.79	156	13.256	230	14.42	15	25.087	285	43.17	183
Apr. 10.6	63.96	56	19.39	267	62.878	317	46.35	166	13.486	207	14.27	36	25.372	246	45.00	227
20.6	64.52	41	22.06	299	63.195	280	48.01	173	13.693	183	13.91	54	25.618	204	47.27	262
30.6	64.93	26	25.05	319	63.475	237	49.74	178	13.876	156	13.37	68	25.822	157	49.89	285
Mai 10.5	65.19	11	28.24	328	63.712	192	51.52	180	14.032	128	12.69	78	25.979	110	52.74	300
20.5	65.30	5	31.52	327	63.904	144	53.32	178	14.160	98	11.91	85	26.089	60	55.74	304
30.5	65.25	20	34.79	314	64.048	92	55.10	173	14.258	66	11.06	87	26.149	11	58.78	299
Juni 9.5	65.05	35	37.93	295	64.140	38	56.83	163	14.324	33	10.19	87	26.160	39	61.77	285
19.4	64.70	47	40.88	266	64.178	15	58.46	151	14.357	1	9.32	84	26.121	86	64.62	263
29.4	64.23	61	43.54	231	64.163	70	59.97	134	14.356	35	8.48	79	26.035	132	67.25	235
Juli 9.4	63.62	70	45.85	189	64.093	121	61.31	111	14.321	67	7.69	73	25.903	173	69.60	200
19.3	62.92	80	47.74	144	63.972	169	62.42	87	14.254	98	6.96	64	25.730	211	71.60	162
29.3	62.12	87	49.18	95	63.803	210	63.29	59	14.156	125	6.32	56	25.519	243	73.22	118
Aug. 8.3	61.25	92	50.13	45	63.593	243	63.88	27	14.031	147	5.76	47	25.276	268	74.40	74
18.3	60.33	94	50.58	8	63.350	266	64.15	5	13.884	162	5.29	36	25.008	285	75.14	27
28.2	59.39	95	50.50	59	63.084	277	64.10	38	13.722	171	4.93	25	24.723	293	75.41	22
Sept. 7.2	58.44	94	49.91	111	62.807	274	63.72	72	13.551	171	4.68	13	24.430	291	75.19	70
17.2	57.50	90	48.80	161	62.533	257	63.00	101	13.380	161	4.55	0	24.139	279	74.49	117
27.1	56.60	83	47.19	208	62.276	227	61.99	129	13.219	143	4.55	15	23.860	256	73.32	164
Okt. 7.1	55.77	74	45.11	251	62.049	181	60.70	150	13.076	115	4.70	30	23.604	220	71.68	207
17.1	55.03	63	42.60	290	61.868	125	59.20	166	12.961	78	5.00	49	23.384	178	69.61	248
27.1	54.40	50	39.70	322	61.743	60	57.54	174	12.883	36	5.49	67	23.206	124	67.13	283
Nov. 6.0	53.90	35	36.48	348	61.683	14	55.80	175	12.847	12	6.16	86	23.082	64	64.30	314
16.0	53.55	18	33.00	366	61.697	88	54.05	168	12.859	62	7.02	105	23.018	1	61.16	336
26.0	53.37	2	29.34	373	61.785	164	52.37	154	12.921	111	8.07	123	23.017	66	57.80	350
Dez. 6.0	53.35	17	25.61	371	61.949	234	50.83	133	13.032	158	9.30	139	23.083	131	54.30	355
15.9	53.52	33	21.90	356	62.183	297	49.50	107	13.190	201	10.69	149	23.214	193	50.75	348
25.9	53.85	50	18.34	331	62.480	350	48.43	78	13.391	237	12.18	157	23.407	249	47.27	330
35.9	54.35		15.03		62.830		47.65		13.628		13.75		23.656		43.97	
Mittl. Ort	61.60		28.32		59.697		56.11		11.527		12.74		23.716		54.29	
sec δ, tg δ	4.155		+4.033		1.555		−1.190		1.003		−0.079		1.453		+1.054	

Mittlere Zeit Greenw.	609) γ Herculis AR.	Δ	609) γ Herculis Dekl.	Δ	611) γ Apodis AR.	Δ	611) γ Apodis Dekl.	Δ	615) η Draconis AR.	Δ	615) η Draconis Dekl.	Δ	616) α Scorpii AR.	Δ	616) α Scorpii Dekl.	Δ
1922	$16^h 18^m$		+19° 19′		$16^h 21^m$		−78° 43′		$16^h 22^m$		+61° 41′		$16^h 24^m$		−26° 15′	
Jan. 0.9	27.651	245	69.85	249	22.68	104	10.37	186	53.05	34	23.02	323	36.486	279	25.06	46
10.9	27.896	272	67.36	229	23.72	117	8.51	140	53.39	41	19.79	283	36.765	306	25.52	60
20.8	28.168	290	65.07	199	24.89	126	7.11	94	53.80	45	16.96	234	37.071	323	26.12	71
30.8	28.458	301	63.08	164	26.15	132	6.17	44	54.25	50	14.62	175	37.394	332	26.83	79
Feb. 9.8	28.759	303	61.44	122	27.47	136	5.73	5	54.75	51	12.87	112	37.726	333	27.62	82
19.8	29.062	299	60.22	77	28.83	135	5.78	53	55.26	52	11.75	44	38.059	329	28.44	83
März 1.7	29.361	290	59.45	28	30.18	133	6.31	98	55.78	50	11.31	24	38.388	318	29.27	81
11.7	29.651	274	59.17	19	31.51	126	7.29	140	56.28	48	11.55	90	38.706	305	30.08	77
21.7	29.925	254	59.36	64	32.77	119	8.69	177	56.76	44	12.45	152	39.011	286	30.85	71
31.7	30.179	232	60.00	104	33.96	109	10.46	212	57.20	40	13.97	205	39.297	267	31.56	65
Apr. 10.6	30.411	208	61.04	140	35.05	98	12.58	240	57.60	33	16.02	251	39.564	243	32.21	59
20.6	30.619	179	62.44	168	36.03	83	14.98	264	57.93	26	18.53	286	39.807	218	32.80	54
30.6	30.798	150	64.12	190	36.86	69	17.62	282	58.19	19	21.39	311	40.025	189	33.34	49
Mai 10.5	30.948	118	66.02	203	37.55	52	20.44	294	58.38	13	24.50	325	40.214	159	33.83	45
20.5	31.066	86	68.05	210	38.07	35	23.38	299	58.51	4	27.75	329	40.373	125	34.28	40
30.5	31.152	51	70.15	209	38.42	17	26.37	297	58.55	3	31.04	322	40.498	90	34.68	38
Juni 9.5	31.203	15	72.24	203	38.59	2	29.34	289	58.52	10	34.26	305	40.588	52	35.06	33
19.4	31.218	19	74.27	190	38.57	20	32.23	272	58.42	17	37.31	282	40.640	13	35.39	29
29.4	31.199	55	76.17	173	38.37	37	34.95	249	58.25	24	40.13	249	40.653	27	35.68	23
Juli 9.4	31.144	88	77.90	151	38.00	55	37.44	218	58.01	30	42.62	212	40.626	64	35.91	17
19.3	31.056	119	79.41	127	37.45	70	39.62	181	57.71	35	44.74	169	40.562	101	36.08	10
29.3	30.937	145	80.68	100	36.75	82	41.43	137	57.36	40	46.43	123	40.461	133	36.18	0
Aug. 8.3	30.792	168	81.68	70	35.93	92	42.80	89	56.96	42	47.66	72	40.328	159	36.18	10
18.3	30.624	184	82.38	39	35.01	98	43.69	38	56.54	45	48.38	22	40.169	179	36.08	20
28.2	30.440	192	82.77	7	34.03	102	44.07	17	56.09	46	48.60	30	39.990	190	35.88	31
Sept. 7.2	30.248	192	82.84	26	33.01	100	43.90	71	55.63	45	48.30	82	39.800	192	35.57	40
17.2	30.056	184	82.58	59	32.01	95	43.19	124	55.18	44	47.48	133	39.608	182	35.17	49
27.2	29.872	165	81.99	92	31.06	86	41.95	172	54.74	40	46.15	182	39.426	162	34.68	55
Okt. 7.1	29.707	138	81.07	124	30.20	71	40.23	215	54.34	36	44.33	228	39.264	131	34.13	58
17.1	29.569	102	79.83	157	29.49	55	38.08	250	53.98	31	42.05	270	39.133	92	33.55	56
27.1	29.467	60	78.26	185	28.94	35	35.58	276	53.67	23	39.35	307	39.041	45	32.99	52
Nov. 6.0	29.407	12	76.41	213	28.59	13	32.82	291	53.44	15	36.28	337	38.996	8	32.47	43
16.0	29.395	38	74.28	235	28.46	10	29.91	294	53.29	7	32.91	360	39.004	64	32.04	30
26.0	29.433	90	71.93	251	28.56	33	26.97	288	53.22	3	29.31	372	39.068	118	31.74	15
Dez. 6.0	29.523	140	69.42	263	28.89	55	24.09	271	53.25	12	25.59	374	39.186	171	31.59	2
15.9	29.663	184	66.79	265	29.44	76	21.38	243	53.37	21	21.85	365	39.357	217	31.61	21
25.9	29.847	224	64.14	259	30.20	93	18.95	208	53.58	30	18.20	345	39.574	259	31.82	38
35.9	30.071		61.55		31.13		16.87		53.88		14.75		39.833		32.20	
Mittl. Ort	28.687		67.22		26.27		29.20		55.86		25.72		37.288		36.71	
sec δ, tg δ	1.060		+0.351		5.115		−5.016		2.109		+1.856		1.115		−0.493	

Mittlere Zeit Greenw.	618) β Herculis AR.		618) β Herculis Dekl.		619) *A* Draconis AR.		619) *A* Draconis Dekl.		621) σ Herculis AR.		621) σ Herculis Dekl.		622) ζ Ophiuchi AR.		622) ζ Ophiuchi Dekl.	
1922	16h 26m		+21° 39′		16h 28m		+68° 55′		16h 31m		+42° 35′		16h 32m		−10° 24′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	50.868	238	33.54	258	3.81	40	70.32	323	33.657	254	49.59	311	50.873	248	28.37	121
10.9	51.106	267	30.96	236	4.21	49	67.09	284	33.911	295	46.48	279	51.121	273	29.58	123
20.9	51.373	288	28.60	207	4.70	56	64.25	234	34.206	325	43.69	238	51.394	290	30.81	120
30.8	51.661	300	26.53	169	5.26	61	61.91	176	34.531	347	41.31	188	51.684	300	32.01	111
Feb. 9.8	51.961	305	24.84	126	5.87	66	60.15	111	34.878	357	39.43	131	51.984	303	33.12	100
19.8	52.266	302	23.58	79	6.53	66	59.04	43	35.235	359	38.12	69	52.287	299	34.12	82
März 1.7	52.568	293	22.79	28	7.19	65	58.61	25	35.594	350	37.43	7	52.586	292	34.94	63
11.7	52.861	280	22.51	20	7.84	62	58.86	91	35.944	335	37.36	54	52.878	280	35.57	43
21.7	53.141	261	22.71	67	8.46	57	59.77	153	36.279	312	37.90	113	53.158	264	36.00	22
31.7	53.402	240	23.38	110	9.03	50	61.30	207	36.591	283	39.03	166	53.422	246	36.22	2
Apr. 10.6	53.642	215	24.48	147	9.53	42	63.37	254	36.874	250	40.69	209	53.668	226	36.24	15
20.6	53.857	187	25.95	177	9.95	34	65.91	289	37.124	212	42.78	247	53.894	203	36.09	30
30.6	54.044	157	27.72	200	10.29	24	68.80	314	37.336	171	45.25	273	54.097	177	35.79	42
Mai 10.6	54.201	126	29.72	215	10.53	14	71.94	328	37.507	128	47.98	290	54.274	150	35.37	50
20.5	54.327	92	31.87	222	10.67	4	75.22	332	37.635	82	50.88	297	54.424	120	34.87	55
30.5	54.419	56	34.09	222	10.71	6	78.54	326	37.717	35	53.85	295	54.544	87	34.32	59
Juni 9.5	54.475	21	36.31	215	10.65	16	81.80	309	37.752	11	56.80	284	54.631	52	33.73	58
19.4	54.496	17	38.46	202	10.49	26	84.89	284	37.741	57	59.64	266	54.683	17	33.15	57
29.4	54.479	52	40.48	185	10.23	34	87.73	253	37.684	101	62.30	241	54.700	19	32.58	54
Juli 9.4	54.427	86	42.33	162	9.89	42	90.26	214	37.583	144	64.71	209	54.681	54	32.04	51
19.4	54.341	119	43.95	137	9.47	49	92.40	172	37.439	182	66.80	172	54.627	87	31.53	46
29.3	54.222	148	45.32	108	8.98	54	94.12	124	37.257	215	68.52	133	54.540	118	31.07	41
Aug. 8.3	54.074	171	46.40	76	8.44	58	95.36	75	37.042	241	69.85	90	54.422	143	30.66	37
18.3	53.903	188	47.16	44	7.86	62	96.11	23	36.801	262	70.75	45	54.279	163	30.29	32
28.3	53.715	198	47.60	11	7.24	62	96.34	30	36.539	272	71.20	1	54.116	173	29.97	26
Sept. 7.2	53.517	199	47.71	25	6.62	62	96.04	82	36.267	273	71.19	49	53.943	177	29.71	20
17.2	53.318	191	47.46	59	6.00	60	95.22	133	35.994	264	70.70	95	53.766	170	29.51	13
27.2	53.127	174	46.87	94	5.40	57	93.89	183	35.730	245	69.75	141	53.596	153	29.38	4
Okt. 7.2	52.953	149	45.93	128	4.83	50	92.06	229	35.485	215	68.34	184	53.443	127	29.34	6
17.1	52.804	113	44.65	162	4.33	43	89.77	271	35.270	174	66.50	226	53.316	93	29.40	19
27.1	52.691	71	43.03	192	3.90	35	87.06	308	35.096	127	64.24	262	53.223	50	29.59	33
Nov. 6.1	52.620	23	41.11	220	3.55	25	83.98	338	34.969	71	61.62	295	53.173	3	29.92	49
16.0	52.597	27	38.91	243	3.30	13	80.60	360	34.898	11	58.67	320	53.170	47	30.41	66
26.0	52.624	79	36.48	260	3.17	1	77.00	373	34.887	51	55.47	336	53.217	97	31.07	82
Dez. 6.0	52.703	130	33.88	272	3.16	10	73.27	376	34.938	113	52.11	345	53.314	146	31.89	98
16.0	52.833	175	31.16	275	3.26	22	69.51	366	35.051	172	48.66	342	53.460	189	32.87	110
25.9	53.008	217	28.41	268	3.48	34	65.85	345	35.223	225	45.24	327	53.649	228	33.97	119
35.9	53.225		25.73		3.82		62.40		35.448		41.97		53.877		35.16	
Mittl. Ort	51.961		30.90		7.67		72.97		35.275		49.71		51.708		37.05	
sec δ, tg δ	1.076		+0.397		2.782		+2.597		1.358		+0.919		1.017		−0.184	

Mittlere Zeit Greenw.	626) η Herculis AR.		626) η Herculis Dekl.		625) α Triang. austr. AR.		625) α Triang. austr. Dekl.	
1922	$16^h\ 40^m$		+39° 3′		$16^h\ 40^m$		−68° 52′	
	s		″		s		″	
Jan. 0.9	11.770	240	72.42	308	21.24	57	54.79	171
10.9	12.010	278	69.34	279	21.81	64	53.08	134
20.9	12.288	309	66.55	240	22.45	71	51.74	93
30.8	12.597	329	64.15	193	23.16	74	50.81	51
Feb. 9.8	12.926	341	62.22	138	23.90	75	50.30	9
19.8	13.267	343	60.84	80	24.65	77	50.21	32
März 1.8	13.610	338	60.04	18	25.42	75	50.53	71
11.7	13.948	324	59.86	42	26.17	72	51.24	107
21.7	14.272	304	60.28	99	26.89	70	52.31	141
31.7	14.576	280	61.27	152	27.59	64	53.72	170
Apr. 10.6	14.856	249	62.79	196	28.23	59	55.42	196
20.6	15.105	215	64.75	233	28.82	52	57.38	219
30.6	15.320	178	67.08	262	29.34	45	59.57	236
Mai 10.6	15.498	137	69.70	279	29.79	36	61.93	249
20.5	15.635	95	72.49	288	30.15	28	64.42	257
30.5	15.730	52	75.37	288	30.43	18	66.99	257
Juni 9.5	15.782	6	78.25	280	30.61	8	69.56	253
19.5	15.788	38	81.05	262	30.69	2	72.09	243
29.4	15.750	81	83.67	240	30.67	13	74.52	224
Juli 9.4	15.669	123	86.07	211	30.54	22	76.76	201
19.4	15.546	161	88.18	176	30.32	30	78.77	170
29.3	15.385	194	89.94	139	30.02	39	80.47	133
Aug. 8.3	15.191	222	91.33	98	29.63	46	81.80	93
18.3	14.969	242	92.31	55	29.17	50	82.73	49
28.3	14.727	255	92.86	10	28.67	52	83.22	0
Sept. 7.2	14.472	258	92.96	35	28.15	54	83.22	47
17.2	14.214	251	92.61	81	27.61	51	82.75	95
27.2	13.963	234	91.80	125	27.10	47	81.80	139
Okt. 7.2	13.729	206	90.55	169	26.63	40	80.41	179
17.1	13.523	169	88.86	209	26.23	31	78.62	212
27.1	13.354	124	86.77	247	25.92	21	76.50	237
Nov. 6.1	13.230	71	84.30	279	25.71	8	74.13	252
16.0	13.159	14	81.51	305	25.63	3	71.61	259
26.0	13.145	45	78.46	324	25.66	17	69.02	255
Dez. 6.0	13.190	104	75.22	334	25.83	29	66.47	241
16.0	13.294	160	71.88	334	26.12	41	64.06	219
25.9	13.454	211	68.54	323	26.53	52	61.87	189
35.9	13.665		65.31		27.05		59.98	
Mittl. Ort	13.285		71.49		23.39		71.95	
sec δ, tg δ	1.288		+0.812		2.776		−2.590	

Mittlere Zeit Greenw.	627) Gr. 2377 AR.		627) Gr. 2377 Dekl.		628) ε Scorpii AR.		628) ε Scorpii Dekl.	
1922	$16^h\ 43^m$		+56° 55′		$16^h\ 45^m$		−34° 8′	
	s		″		s		″	
Jan. 0.9	46.535	278	14.13	332	5.474	281	57.84	9
10.9	46.813	338	10.81	299	5.755	312	57.75	8
20.9	47.151	388	7.82	253	6.067	335	57.83	26
30.8	47.539	423	5.29	200	6.402	348	58.09	40
Feb. 9.8	47.962	447	3.29	138	6.750	354	58.49	52
19.8	48.409	456	1.91	73	7.104	354	59.01	60
März 1.8	48.865	451	1.18	5	7.458	346	59.61	67
11.7	49.316	436	1.13	61	7.804	335	60.28	72
21.7	49.752	408	1.74	123	8.139	320	61.00	74
31.7	50.160	370	2.97	181	8.459	301	61.74	77
Apr. 10.6	50.530	325	4.78	229	8.760	279	62.51	78
20.6	50.855	272	7.07	270	9.039	253	63.29	79
30.6	51.127	214	9.77	299	9.292	224	64.08	80
Mai 10.6	51.341	153	12.76	317	9.516	192	64.88	81
20.5	51.494	88	15.93	327	9.708	156	65.69	81
30.5	51.582	23	19.20	324	9.864	116	66.50	80
Juni 9.5	51.605	41	22.44	314	9.980	76	67.30	77
19.5	51.564	106	25.58	295	10.056	31	68.07	73
29.4	51.458	166	28.53	267	10.087	14	68.80	66
Juli 9.4	51.292	222	31.20	233	10.073	56	69.46	59
19.4	51.070	273	33.53	194	10.017	99	70.05	47
29.3	50.797	316	35.47	151	9.918	137	70.52	34
Aug. 8.3	50.481	353	36.98	103	9.781	168	70.86	19
18.3	50.128	378	38.01	54	9.613	194	71.05	2
28.3	49.750	393	38.55	4	9.419	209	71.07	15
Sept. 7.2	49.357	396	38.59	49	9.210	215	70.92	34
17.2	48.961	387	38.10	99	8.995	208	70.58	50
27.2	48.574	364	37.11	150	8.787	190	70.08	65
Okt. 7.2	48.210	329	35.61	198	8.597	160	69.43	77
17.1	47.881	281	33.63	242	8.437	120	68.66	85
27.1	47.600	223	31.21	282	8.317	72	67.81	87
Nov. 6.1	47.377	154	28.39	316	8.245	17	66.94	86
16.0	47.223	78	25.23	343	8.228	42	66.08	80
26.0	47.145	1	21.80	361	8.270	102	65.28	68
Dez. 6.0	47.146	83	18.19	369	8.372	158	64.60	54
16.0	47.229	161	14.50	366	8.530	211	64.06	37
25.9	47.390	237	10.84	350	8.741	256	63.69	18
35.9	47.627		7.34		8.997		63.51	
Mittl. Ort	48.942		14.64		6.422		70.50	
sec δ, tg δ	1.832		+1.535		1.208		−0.678	

Mittlere Zeit Greenw.	629) 49 Herculis				630) ζ^2 Scorpii				631) ζ Arae				633) $\varkappa$ Ophiuchi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	16h 48m		+15° 6′		16h 49m		−42° 13′		16h 52m		−55° 51′		16h 53m		+9° 29′	
Jan. 0.9	30.680	219	19.12	234	4.267	306	31.19	55	8.075	378	51.76	126	57.505	216	48.45	210
10.9	30.899	250	16.78	219	4.573	341	30.64	32	8.453	428	50.50	96	57.721	245	46.35	198
20.9	31.149	271	14.59	196	4.914	367	30.32	9	8.881	464	49.54	65	57.966	267	44.37	180
30.8	31.420	286	12.63	165	5.281	384	30.23	11	9.345	489	48.89	33	58.233	281	42.57	154
Feb. 9.8	31.706	294	10.98	128	5.665	392	30.34	31	9.834	502	48.56	1	58.514	289	41.03	123
19.8	32.000	294	9.70	87	6.057	392	30.65	48	10.336	505	48.55	28	58.803	290	39.80	86
März 1.8	32.294	289	8.83	43	6.449	386	31.13	63	10.841	500	48.83	57	59.093	286	38.94	47
11.7	32.583	280	8.40	2	6.835	375	31.76	77	11.341	487	49.40	83	59.379	277	38.47	7
21.7	32.863	266	8.42	44	7.210	358	32.53	87	11.828	466	50.23	107	59.656	265	38.40	31
31.7	33.129	248	8.86	85	7.568	338	33.40	97	12.294	439	51.30	128	59.921	249	38.71	67
Apr. 10.6	33.377	228	9.71	120	7.906	313	34.37	105	12.733	407	52.58	147	60.170	230	39.38	100
20.6	33.605	204	10.91	149	8.219	285	35.42	112	13.140	368	54.05	163	60.400	207	40.38	126
30.6	33.809	177	12.40	172	8.504	253	36.54	118	13.508	325	55.68	176	60.607	183	41.64	147
Mai 10.6	33.986	149	14.12	188	8.757	217	37.72	122	13.833	275	57.44	187	60.790	155	43.11	162
20.5	34.135	117	16.00	196	8.974	175	38.94	124	14.108	220	59.31	193	60.945	125	44.73	170
30.5	34.252	83	17.96	199	9.149	132	40.18	125	14.328	160	61.24	196	61.070	91	46.43	172
Juni 9.5	34.335	47	19.95	195	9.281	85	41.43	122	14.488	98	63.20	194	61.161	57	48.15	170
19.4	34.382	11	21.90	185	9.366	35	42.65	117	14.586	32	65.14	186	61.218	21	49.85	163
29.4	34.393	26	23.75	172	9.401	15	43.82	109	14.618	34	67.00	175	61.239	16	51.48	151
Juli 9.4	34.367	62	25.47	153	9.386	63	44.91	97	14.584	99	68.75	157	61.223	52	52.99	135
19.4	34.305	96	27.00	133	9.323	111	45.88	81	14.485	161	70.32	135	61.171	87	54.34	118
29.3	34.209	127	28.33	108	9.212	154	46.69	62	14.324	216	71.67	107	61.084	118	55.52	97
Aug. 8.3	34.082	154	29.41	83	9.058	190	47.31	41	14.108	263	72.74	77	60.966	145	56.49	76
18.3	33.928	174	30.24	54	8.868	218	47.72	18	13.845	299	73.51	42	60.821	167	57.25	53
28.3	33.754	187	30.78	26	8.650	235	47.90	8	13.546	322	73.93	5	60.654	181	57.78	28
Sept. 7.2	33.567	192	31.04	4	8.415	242	47.82	34	13.224	330	73.98	34	60.473	186	58.06	3
17.2	33.375	188	31.00	34	8.173	236	47.48	58	12.894	321	73.64	71	60.287	183	58.09	22
27.2	33.187	174	30.66	64	7.937	216	46.90	81	12.573	297	72.93	106	60.104	171	57.87	49
Okt. 7.2	33.013	152	30.02	96	7.721	184	46.09	101	12.276	256	71.87	137	59.933	149	57.38	75
17.1	32.861	119	29.06	125	7.537	140	45.08	116	12.020	200	70.50	164	59.784	117	56.63	101
27.1	32.742	82	27.81	153	7.397	87	43.92	125	11.820	131	68.86	183	59.667	80	55.62	127
Nov. 6.1	32.660	35	26.28	181	7.310	26	42.67	129	11.689	54	67.03	195	59.587	35	54.35	151
16.0	32.625	13	24.47	204	7.284	39	41.38	126	11.635	30	65.08	199	59.552	12	52.84	174
26.0	32.638	62	22.43	222	7.323	104	40.12	118	11.665	114	63.09	195	59.564	62	51.10	192
Dez. 6.0	32.700	112	20.21	237	7.427	168	38.94	104	11.779	196	61.14	183	59.626	109	49.18	206
16.0	32.812	156	17.84	243	7.595	225	37.90	87	11.975	273	59.31	164	59.735	154	47.12	214
25.9	32.968	198	15.41	241	7.820	278	37.03	65	12.248	341	57.67	141	59.889	195	44.98	216
35.9	33.166		13.00		8.098		36.38		12.589		56.26		60.084		42.82	
Mittl. Ort	31.733		14.43		5.336		44.92		9.516		67.06		58.512		42.72	
sec δ, tg δ	1.036		+0.269		1.350		−0.908		1.782		−1.475		1.014		+0.167	

Mittlere Zeit Greenw.	634) ε Herculis AR.		Dekl.		637) η Ophiuchi AR.		Dekl.		639) ζ Draconis AR.		Dekl.		640) α Herculis AR.		Dekl.	
1922	16h 57m		+31° 2′		17h 5m		−15° 37′		17h 8m		+65° 48′		17h 11m		+14° 28′	
Jan. 0.9	16.954	215	28.32	291	53.226	227	36.95	79	30.08	28	39.47	345	4.311	200	46.98	230
10.9	17.169	250	25.41	268	53.453	257	37.74	83	30.36	36	36.02	315	4.511	232	44.68	216
20.9	17.419	280	22.73	235	53.710	280	38.57	85	30.72	44	32.87	273	4.743	257	42.52	196
30.8	17.699	300	20.38	195	53.990	294	39.42	80	31.16	51	30.14	223	5.000	274	40.56	168
Feb. 9.8	17.999	312	18.43	146	54.284	302	40.22	73	31.67	54	27.91	162	5.274	286	38.88	132
19.8	18.311	316	16.97	94	54.586	304	40.95	63	32.21	58	26.29	98	5.560	290	37.56	92
März 1.8	18.627	314	16.03	37	54.890	302	41.58	49	32.79	58	25.31	29	5.850	289	36.64	49
11.7	18.941	306	15.66	19	55.192	295	42.07	34	33.37	57	25.02	38	6.139	284	36.15	4
21.7	19.247	291	15.85	74	55.487	285	42.41	19	33.94	54	25.40	104	6.423	274	36.11	38
31.7	19.538	271	16.59	123	55.772	271	42.60	4	34.48	51	26.44	164	6.697	259	36.49	79
Apr. 10.7	19.809	248	17.82	168	56.043	254	42.64	8	34.99	45	28.08	217	6.956	242	37.28	115
20.6	20.057	220	19.50	204	56.297	234	42.56	19	35.44	38	30.25	261	7.198	221	38.43	146
30.6	20.277	189	21.54	234	56.531	212	42.37	27	35.82	30	32.86	296	7.419	197	39.89	170
Mai 10.6	20.466	155	23.88	253	56.743	185	42.10	33	36.12	23	35.82	319	7.616	169	41.59	187
20.6	20.621	118	26.41	264	56.928	155	41.77	36	36.35	13	39.01	334	7.785	138	43.46	198
30.5	20.739	78	29.05	267	57.083	122	41.41	36	36.48	5	42.35	336	7.923	104	45.44	201
Juni 9.5	20.817	38	31.72	263	57.205	86	41.05	36	36.53	5	45.71	329	8.027	69	47.45	200
19.5	20.855	4	34.35	249	57.291	49	40.69	34	36.48	13	49.00	314	8.096	31	49.45	191
29.4	20.851	45	36.84	231	57.340	10	40.35	31	36.35	21	52.14	290	8.127	7	51.36	179
Juli 9.4	20.806	86	39.15	207	57.350	30	40.04	28	36.14	30	55.04	259	8.120	45	53.15	161
19.4	20.720	123	41.22	178	57.320	68	39.76	25	35.84	37	57.63	222	8.075	81	54.76	142
29.4	20.597	157	43.00	144	57.252	103	39.51	23	35.47	42	59.85	179	7.994	116	56.18	118
Aug. 8.3	20.440	186	44.44	109	57.149	134	39.28	20	35.05	48	61.64	134	7.878	144	57.36	93
18.3	20.254	209	45.53	70	57.015	158	39.08	19	34.57	52	62.98	84	7.734	168	58.29	65
28.3	20.045	223	46.23	30	56.857	175	38.89	18	34.05	55	63.82	34	7.566	186	58.94	38
Sept. 7.3	19.822	230	46.53	11	56.682	184	38.71	17	33.50	56	64.16	19	7.380	193	59.32	8
17.2	19.592	227	46.42	52	56.498	183	38.54	15	32.94	55	63.97	72	7.187	193	59.40	22
27.2	19.365	214	45.90	93	56.315	170	38.39	13	32.39	53	63.25	124	6.994	183	59.18	52
Okt. 7.2	19.151	190	44.97	135	56.145	149	38.26	8	31.86	49	62.01	174	6.811	163	58.66	82
17.1	18.961	158	43.62	173	55.996	117	38.18	2	31.37	44	60.27	222	6.648	135	57.84	112
27.1	18.803	118	41.89	209	55.879	78	38.16	6	30.93	37	58.05	265	6.513	98	56.72	141
Nov. 6.1	18.685	70	39.80	242	55.801	31	38.22	17	30.56	29	55.40	303	6.415	55	55.31	168
16.1	18.615	18	37.38	269	55.770	17	38.39	29	30.27	20	52.37	335	6.360	8	53.63	192
26.0	18.597	36	34.69	290	55.787	68	38.68	41	30.07	10	49.02	357	6.352	40	51.71	212
Dez. 6.0	18.633	90	31.79	304	55.855	118	39.09	55	29.97	1	45.45	369	6.392	89	49.59	227
16.0	18.723	141	28.75	308	55.973	164	39.64	67	29.98	12	41.76	371	6.481	136	47.32	236
26.0	18.864	188	25.67	302	56.137	205	40.31	77	30.10	21	38.05	361	6.617	177	44.96	236
35.9	19.052		22.65		56.342		41.08		30.31		34.44		6.794		42.60	
Mittl. Ort	18.284		25.32		54.168		46.56		33.45		38.22		5.398		41.32	
sec δ, tg δ	1.167		+0.602		1.038		−0.280		2.440		+2.226		1.033		+0.258	

Mittlere Zeit Greenw.	641) δ Herculis AR.	Diff.	641) δ Herculis Dekl.	Diff.	643) π Herculis AR.	Diff.	643) π Herculis Dekl.	Diff.	644) ϑ Ophiuchi AR.	Diff.	644) ϑ Ophiuchi Dekl.	Diff.	645) β Arae AR.	Diff.	645) β Arae Dekl.	Diff.
1922	17h 11m		+24° 55′		17h 12m		+36° 53′		17h 17m		−24° 55′		17h 18m		−55° 27′	
Jan. 0.9	48.399	199	53.35	272	18.296	202	49.81	309	12.010	231	12.08	21	47.059	338	14.61	147
10.9	48.598	233	50.63	254	18.498	243	46.72	287	12.241	265	12.29	30	47.397	392	13.14	122
20.9	48.831	262	48.09	227	18.741	278	43.85	254	12.506	289	12.59	38	47.789	435	11.92	95
30.9	49.093	282	45.82	191	19.019	303	41.31	211	12.795	306	12.97	42	48.224	465	10.97	66
Feb. 9.8	49.375	295	43.91	149	19.322	320	39.20	160	13.101	317	13.39	44	48.689	486	10.31	37
19.8	49.670	302	42.42	100	19.642	330	37.60	106	13.418	322	13.83	42	49.175	495	9.94	8
März 1.8	49.972	302	41.42	48	19.972	330	36.54	45	13.740	321	14.25	39	49.670	497	9.86	19
11.8	50.274	296	40.94	4	20.302	325	36.09	14	14.061	315	14.64	34	50.167	491	10.05	46
21.7	50.570	285	40.98	55	20.627	312	36.23	72	14.376	307	14.98	29	50.658	478	10.51	71
31.7	50.855	270	41.53	103	20.939	294	36.95	126	14.683	294	15.27	24	51.136	457	11.22	93
Apr. 10.7	51.125	250	42.56	144	21.233	270	38.21	175	14.977	278	15.51	19	51.593	430	12.15	115
20.6	51.375	226	44.00	182	21.503	242	39.96	215	15.255	258	15.70	16	52.023	398	13.30	135
30.6	51.601	199	45.82	209	21.745	209	42.11	248	15.513	235	15.86	13	52.421	358	14.65	151
Mai 10.6	51.800	168	47.91	230	21.954	172	44.59	270	15.748	208	15.99	13	52.779	312	16.16	165
20.6	51.968	135	50.21	243	22.126	133	47.29	285	15.956	177	16.12	13	53.091	261	17.81	177
30.5	52.103	98	52.64	247	22.259	90	50.14	290	16.133	142	16.25	15	53.352	203	19.58	184
Juni 9.5	52.201	60	55.11	244	22.349	45	53.04	286	16.275	104	16.40	17	53.555	141	21.42	187
19.5	52.261	19	57.55	234	22.394	1	55.90	275	16.379	64	16.57	18	53.696	75	23.29	186
29.5	52.280	21	59.89	219	22.395	45	58.65	256	16.443	21	16.75	19	53.771	7	25.15	179
Juli 9.4	52.259	60	62.08	198	22.350	89	61.21	231	16.464	22	16.94	19	53.778	60	26.94	167
19.4	52.199	99	64.06	173	22.261	130	63.52	201	16.442	63	17.13	17	53.718	125	28.61	150
29.4	52.100	133	65.79	143	22.131	168	65.53	166	16.379	102	17.30	14	53.593	186	30.11	128
Aug. 8.3	51.967	164	67.22	112	21.963	201	67.19	129	16.277	136	17.44	9	53.407	239	31.39	99
18.3	51.803	188	68.34	77	21.762	227	68.48	87	16.141	165	17.53	3	53.168	281	32.38	69
28.3	51.615	206	69.11	41	21.535	245	69.35	45	15.976	184	17.56	5	52.887	311	33.07	33
Sept. 7.3	51.409	213	69.52	5	21.290	253	69.80	0	15.792	195	17.51	12	52.576	328	33.40	4
17.2	51.196	214	69.57	34	21.037	253	69.80	45	15.597	196	17.39	21	52.248	327	33.36	42
27.2	50.982	203	69.23	71	20.784	242	69.35	89	15.401	185	17.18	27	51.921	311	32.94	78
Okt. 7.2	50.779	182	68.52	109	20.542	220	68.46	134	15.216	163	16.91	33	51.610	277	32.16	112
17.1	50.597	154	67.43	145	20.322	188	67.12	176	15.053	132	16.58	36	51.333	228	31.04	141
27.1	50.443	116	65.98	180	20.134	148	65.36	215	14.921	91	16.22	36	51.105	167	29.63	166
Nov. 6.1	50.327	71	64.18	211	19.986	101	63.21	251	14.830	43	15.86	32	50.938	93	27.97	183
16.1	50.256	23	62.07	239	19.885	47	60.70	281	14.787	8	15.54	27	50.845	13	26.14	193
26.0	50.233	27	59.68	261	19.838	9	57.89	305	14.795	62	15.27	18	50.832	68	24.21	194
Dez. 6.0	50.260	80	57.07	276	19.847	66	54.84	320	14.857	114	15.09	6	50.900	151	22.27	189
16.0	50.340	128	54.31	283	19.913	121	51.64	325	14.971	164	15.03	5	51.051	229	20.38	177
26.0	50.468	173	51.48	281	20.034	173	48.39	320	15.135	207	15.08	17	51.280	298	18.61	158
35.9	50.641		48.67		20.207		45.19		15.342		15.25		51.578		17.03	
Mittl. Ort	49.629		48.86		19.786		46.46		13.023		22.78		48.692		28.54	
sec δ, tg δ	1.103		+0.465		1.250		+0.751		1.103		−0.465		1.764		−1.453	

Mittlere Zeit Greenw.	648) δ Arae AR.		648) δ Arae Dekl.		651) α Arae AR.		651) α Arae Dekl.		652) λ Scorpii AR.		652) λ Scorpii Dekl.		653) β Draconis AR.		653) β Draconis Dekl.	
1922	$17^h 24^m$ s	Δ	−60° 36′ ″	Δ	$17^h 25^m$ s	Δ	−49° 48′ ″	Δ	$17^h 28^m$ s	Δ	−37° 2′ ″	Δ	$17^h 28^m$ s	Δ	+52° 21′ ″	Δ
Jan. 0.9	1.25	37	59.82	176	47.059	297	44.70	124	17.362	248	42.19	55	38.057	196	34.31	343
10.9	1.62	43	58.06	150	47.356	344	43.46	103	17.610	285	41.64	41	38.253	256	30.88	320
20.9	2.05	49	56.56	121	47.700	382	42.43	79	17.895	316	41.23	25	38.509	307	27.68	284
30.9	2.54	52	55.35	89	48.082	410	41.64	55	18.211	339	40.98	12	38.816	349	24.84	239
Feb. 9.8	3.06	55	54.46	56	48.492	428	41.09	31	18.550	352	40.86	0	39.165	380	22.45	184
19.8	3.61	57	53.90	24	48.920	439	40.78	9	18.902	360	40.86	12	39.545	399	20.61	123
März 1.8	4.18	56	53.66	9	49.359	440	40.69	14	19.262	361	40.98	21	39.944	409	19.38	58
11.7	4.74	56	53.75	39	49.799	437	40.83	35	19.623	359	41.19	29	40.353	407	18.80	8
21.7	5.30	56	54.14	68	50.236	426	41.18	55	19.982	350	41.48	36	40.760	394	18.88	73
31.7	5.86	52	54.82	97	50.662	410	41.73	74	20.332	337	41.84	44	41.154	373	19.61	133
Apr. 10.7	6.38	50	55.79	122	51.072	388	42.47	91	20.669	322	42.28	50	41.527	343	20.94	189
20.6	6.88	46	57.01	146	51.460	361	43.38	107	20.991	300	42.78	56	41.870	306	22.83	234
30.6	7.34	41	58.47	166	51.821	328	44.45	122	21.291	275	43.34	64	42.176	261	25.17	273
Mai 10.6	7.75	36	60.13	184	52.149	290	45.67	135	21.566	245	43.98	70	42.437	212	27.90	301
20.6	8.11	30	61.97	197	52.439	245	47.02	145	21.811	210	44.68	76	42.649	157	30.91	319
30.5	8.41	24	63.94	206	52.684	196	48.47	152	22.021	171	45.44	81	42.806	100	34.10	327
Juni 9.5	8.65	16	66.00	212	52.880	141	49.99	157	22.192	127	46.25	85	42.906	40	37.37	326
19.5	8.81	8	68.12	211	53.021	84	51.56	157	22.319	81	47.10	87	42.946	20	40.63	315
29.4	8.89	1	70.23	204	53.105	24	53.13	153	22.400	32	47.97	85	42.926	79	43.78	296
Juli 9.4	8.90	7	72.27	191	53.129	37	54.66	143	22.432	18	48.82	82	42.847	137	46.74	271
19.4	8.83	15	74.18	173	53.092	95	56.09	131	22.414	65	49.64	76	42.710	191	49.45	238
29.4	8.68	22	75.91	149	52.997	150	57.40	113	22.349	111	50.40	65	42.519	240	51.83	201
Aug. 8.3	8.46	27	77.40	118	52.847	198	58.53	89	22.238	151	51.05	52	42.279	282	53.84	158
18.3	8.19	33	78.58	84	52.649	238	59.42	63	22.087	185	51.57	36	41.997	316	55.42	114
28.3	7.86	37	79.42	46	52.411	268	60.05	34	21.902	209	51.93	17	41.681	341	56.56	65
Sept. 7.3	7.49	38	79.88	4	52.143	283	60.39	1	21.693	224	52.10	2	41.340	354	57.21	14
17.2	7.11	39	79.92	38	51.860	285	60.40	31	21.469	226	52.08	22	40.986	356	57.35	36
27.2	6.72	36	79.54	78	51.575	273	60.09	63	21.243	216	51.86	42	40.630	347	56.99	88
Okt. 7.2	6.36	34	78.76	118	51.302	244	59.46	92	21.027	194	51.44	60	40.283	324	56.11	137
17.1	6.02	27	77.58	152	51.058	203	58.54	119	20.833	159	50.84	74	39.959	289	54.74	186
27.1	5.75	21	76.06	180	50.855	149	57.35	140	20.674	116	50.10	87	39.670	244	52.88	231
Nov. 6.1	5.54	12	74.26	202	50.706	85	55.95	154	20.558	63	49.23	92	39.426	188	50.57	272
16.1	5.42	4	72.24	215	50.621	15	54.41	163	20.495	6	48.31	95	39.238	125	47.85	306
26.0	5.38	6	70.09	220	50.606	58	52.78	165	20.489	53	47.36	92	39.113	56	44.79	333
Dez. 6.0	5.44	15	67.89	217	50.664	131	51.13	159	20.542	113	46.44	85	39.057	15	41.46	352
16.0	5.59	24	65.72	206	50.795	199	49.54	149	20.655	169	45.59	75	39.072	87	37.94	358
26.0	5.83	33	63.66	187	50.994	261	48.05	133	20.824	219	44.84	61	39.159	156	34.36	355
35.9	6.16		61.79		51.255		46.72		21.043		44.23		39.315		30.81	
Mittl. Ort	3.20		73.88		48.524		57.75		18.546		53.91		40.172		30.78	
sec δ, tg δ	2.038		−1.776		1.550		−1.184		1.253		−0.755		1.637		+1.297	

Mittlere Zeit Greenw.	656) α Ophiuchi AR.		Dekl.		654) ϑ Scorpii AR.		Dekl.		658) ξ Serpentis AR.		Dekl.		663) ι Herculis AR.		Dekl.	
1922	$17^h 31^m$		+12° 36′		$17^h 31^m$		−42° 56′		$17^h 33^m$		−15° 20′		$17^h 37^m$		+46° 2′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	17.674	182	63.01	219	41.348	262	47.10	91	6.115	203	53.29	69	13.938	177	53.85	334
10.9	17.856	216	60.82	210	41.610	304	46.19	74	6.318	235	53.98	72	14.115	230	50.51	313
20.9	18.072	243	58.72	191	41.914	338	45.45	55	6.553	261	54.70	71	14.345	275	47.38	281
30.9	18.315	263	56.81	165	42.252	362	44.90	38	6.814	279	55.41	68	14.620	311	44.57	239
Feb. 9.8	18.578	276	55.16	132	42.614	380	44.52	20	7.093	291	56.09	59	14.931	339	42.18	188
19.8	18.854	285	53.84	95	42.994	389	44.32	3	7.384	299	56.68	48	15.270	357	40.30	130
März 1.8	19.139	287	52.89	54	43.383	391	44.29	12	7.683	300	57.16	35	15.627	366	39.00	67
11.8	19.426	285	52.35	11	43.774	389	44.41	27	7.983	297	57.51	20	15.993	367	38.33	3
21.7	19.711	278	52.24	31	44.163	381	44.68	39	8.280	292	57.71	4	16.360	358	38.30	60
31.7	19.989	268	52.55	71	44.544	368	45.07	53	8.572	282	57.75	10	16.718	341	38.90	120
Apr. 10.7	20.257	253	53.26	106	44.912	350	45.60	65	8.854	269	57.65	23	17.059	318	40.10	174
20.6	20.510	235	54.32	137	45.262	328	46.25	76	9.123	253	57.42	32	17.377	287	41.84	220
30.6	20.745	212	55.69	162	45.590	300	47.01	87	9.376	232	57.10	41	17.664	252	44.04	259
Mai 10.6	20.957	187	57.31	180	45.890	267	47.88	97	9.608	208	56.69	45	17.916	210	46.63	287
20.6	21.144	158	59.11	192	46.157	229	48.85	105	9.816	179	56.24	47	18.126	164	49.50	307
30.5	21.302	125	61.03	197	46.386	187	49.90	113	9.995	147	55.77	47	18.290	115	52.57	316
Juni 9.5	21.427	89	63.00	195	46.573	139	51.03	117	10.142	112	55.30	44	18.405	63	55.73	317
19.5	21.516	51	64.95	189	46.712	88	52.20	120	10.254	73	54.86	41	18.468	9	58.90	308
29.5	21.567	13	66.84	178	46.800	34	53.40	117	10.327	34	54.45	35	18.477	44	61.98	292
Juli 9.4	21.580	27	68.62	162	46.834	19	54.57	113	10.361	8	54.10	30	18.433	96	64.90	268
19.4	21.553	66	70.24	143	46.815	71	55.70	103	10.353	49	53.80	25	18.337	147	67.58	237
29.4	21.487	101	71.67	122	46.744	122	56.73	90	10.304	86	53.55	20	18.190	191	69.95	203
Aug. 8.3	21.386	133	72.89	97	46.622	165	57.63	72	10.218	121	53.35	17	17.999	231	71.98	164
18.3	21.253	159	73.86	72	46.457	203	58.35	52	10.097	149	53.18	13	17.768	265	73.62	120
28.3	21.094	179	74.58	45	46.254	229	58.87	29	9.948	171	53.05	11	17.503	289	74.82	74
Sept. 7.3	20.915	191	75.03	18	46.025	246	59.16	4	9.777	184	52.94	9	17.214	303	75.56	27
17.2	20.724	194	75.21	11	45.779	249	59.20	23	9.593	187	52.85	7	16.911	307	75.83	23
27.2	20.530	186	75.10	40	45.530	239	58.97	47	9.406	179	52.78	5	16.604	300	75.60	72
Okt. 7.2	20.344	170	74.70	69	45.291	216	58.50	72	9.227	162	52.73	2	16.304	281	74.88	121
17.2	20.174	144	74.01	97	45.075	179	57.78	93	9.065	134	52.71	4	16.023	251	73.67	168
27.1	20.030	111	73.04	126	44.896	132	56.85	109	8.931	99	52.75	10	15.772	211	71.99	212
Nov. 6.1	19.919	69	71.78	152	44.764	76	55.76	120	8.832	55	52.85	18	15.561	162	69.87	254
16.1	19.850	25	70.26	176	44.688	15	54.56	126	8.777	8	53.03	28	15.399	106	67.33	288
26.1	19.825	23	68.50	196	44.673	50	53.30	127	8.769	41	53.31	39	15.293	45	64.45	316
Dez. 6.0	19.848	71	66.54	213	44.723	115	52.03	121	8.810	91	53.70	50	15.248	18	61.29	336
16.0	19.919	117	64.41	222	44.838	175	50.82	112	8.901	137	54.20	59	15.266	81	57.93	346
26.0	20.036	159	62.19	224	45.013	230	49.70	98	9.038	179	54.79	67	15.347	143	54.47	344
35.9	20.195		59.95		45.243		48.72		9.217		55.46		15.490		51.03	
Mittl. Ort	18.771		56.45		42.659		59.25		7.132		62.67		15.739		49.37	
sec δ, tg δ	1.025		+0.224		1.366		−0.931		1.037		−0.275		1.441		+1.037	

Mittlere Zeit Greenw.	664) ω Draconis AR.		664) ω Draconis Dekl.		661) η Pavonis AR.		661) η Pavonis Dekl.		665) β Ophiuchi AR.		665) β Ophiuchi Dekl.		670) ψ Draconis AR.		670) ψ Draconis Dekl.	
1922	$17^h\ 37^m$ s		+68° 47′ ″		$17^h\ 38^m$ s		−64° 40′ ″		$17^h\ 39^m$ s		+4° 35′ ″		$17^h\ 43^m$ s		+72° 11′ ″	
Jan. 1.0	20.50	23	42.77	352	1.97	38	64.64	206	36.062	179	62.73	177	14.73	23	19.47	354
10.9	20.73	33	39.25	329	2.35	47	62.58	182	36.241	211	60.96	171	14.96	35	15.93	333
20.9	21.06	43	35.96	295	2.82	52	60.76	152	36.452	238	59.25	158	15.31	48	12.60	298
30.9	21.49	51	33.01	248	3.34	58	59.24	120	36.690	258	57.67	137	15.79	57	9.62	254
Feb. 9.8	22.00	57	30.53	193	3.92	61	58.04	86	36.948	272	56.30	113	16.36	66	7.08	200
19.8	22.57	62	28.60	131	4.53	63	57.18	51	37.220	280	55.17	82	17.02	71	5.08	139
März 1.8	23.19	64	27.29	64	5.16	65	56.67	16	37.500	284	54.35	48	17.73	75	3.69	72
11.8	23.83	65	26.65	—3	5.81	64	56.51	—18	37.784	283	53.87	13	18.48	75	2.97	6
21.7	24.48	63	26.68	71	6.45	63	56.69	52	38.067	277	53.74	—22	19.23	74	2.91	—62
31.7	25.11	60	27.39	133	7.08	61	57.21	83	38.344	269	53.96	55	19.97	70	3.53	125
Apr. 10.7	25.71	54	28.72	190	7.69	58	58.04	113	38.613	257	54.51	85	20.67	64	4.78	182
20.7	26.25	48	30.62	240	8.27	54	59.17	140	38.870	240	55.36	111	21.31	57	6.60	233
30.6	26.73	39	33.02	279	8.81	49	60.57	166	39.110	220	56.47	132	21.88	46	8.93	273
Mai 10.6	27.12	31	35.81	309	9.30	43	62.23	187	39.330	197	57.79	146	22.34	36	11.66	304
20.6	27.43	21	38.90	330	9.73	36	64.10	205	39.527	168	59.25	155	22.70	25	14.70	325
30.5	27.64	11	42.20	340	10.09	29	66.15	218	39.695	137	60.80	160	22.95	13	17.95	337
Juni 9.5	27.75	1	45.60	339	10.38	20	68.33	226	39.832	103	62.40	159	23.08	0	21.32	337
19.5	27.76	—10	48.99	329	10.58	12	70.59	228	39.935	65	63.99	153	23.08	12	24.69	330
29.5	27.66	19	52.28	312	10.70	3	72.87	224	40.000	27	65.52	143	22.96	23	27.99	312
Juli 9.4	27.47	29	55.40	286	10.73	—7	75.11	214	40.027	—13	66.95	131	22.73	35	31.11	288
19.4	27.18	38	58.26	253	10.66	15	77.25	196	40.014	52	68.26	116	22.38	45	33.99	256
29.4	26.80	46	60.79	215	10.51	24	79.21	172	39.962	88	69.42	98	21.93	55	36.55	219
Aug. 8.4	26.34	52	62.94	173	10.27	31	80.93	143	39.874	121	70.40	80	21.38	62	38.74	178
18.3	25.82	58	64.67	125	9.96	37	82.36	106	39.753	149	71.20	60	20.76	69	40.52	131
28.3	25.24	62	65.92	76	9.59	41	83.42	67	39.604	170	71.80	40	20.07	74	41.83	82
Sept. 7.3	24.62	64	66.68	24	9.18	45	84.09	23	39.434	182	72.20	19	19.33	76	42.65	31
17.2	23.98	65	66.92	—28	8.73	45	84.32	—22	39.252	187	72.39	—3	18.57	78	42.96	—21
27.2	23.33	63	66.64	81	8.28	44	84.10	67	39.065	181	72.36	24	17.79	76	42.75	75
Okt. 7.2	22.70	60	65.83	134	7.84	40	83.43	110	38.884	166	72.12	47	17.03	73	42.00	126
17.2	22.10	55	64.49	184	7.44	34	82.33	149	38.718	140	71.65	69	16.30	67	40.74	177
27.1	21.55	49	62.65	231	7.10	27	80.84	183	38.578	109	70.96	91	15.63	60	38.97	225
Nov. 6.1	21.06	40	60.34	273	6.83	18	79.01	210	38.469	68	70.05	113	15.03	51	36.72	268
16.1	20.66	31	57.61	311	6.65	8	76.91	229	38.401	24	68.92	133	14.52	40	34.04	305
26.1	20.35	20	54.50	339	6.57	—3	74.62	237	38.377	—22	67.59	151	14.12	27	30.99	335
Dez. 6.0	20.15	8	51.11	358	6.60	13	72.25	239	38.399	69	66.08	166	13.85	14	27.64	356
16.0	20.07	—4	47.53	367	6.73	23	69.86	232	38.468	115	64.42	176	13.71	0	24.08	366
26.0	20.11	15	43.86	364	6.96	34	67.54	216	38.583	155	62.66	180	13.71	14	20.42	364
35.9	20.26		40.22		7.30		65.38		38.738		60.86		13.85		16.78	
Mittl. Ort	24.33		38.93		4.37		78.11		37.113		55.24		19.30		15.09	
sec δ, tg δ	2.765		+2.577		2.339		−2.114		1.003		+0.080		3.269		+3.112	

Mittlere Zeit Greenw.	667) μ Herculis AR.		667) μ Herculis Dekl.		671) ξ Draconis AR.		671) ξ Draconis Dekl.		675) 35 Draconis AR.		675) 35 Draconis Dekl.		672) ϑ Herculis AR.		672) ϑ Herculis Dekl.	
1922	17h 43m		+27° 45′		17h 52m		+56° 52′		17h 52m		+76° 58′		17h 53m		+37° 15′	
Jan. 1.0	22.981	166	61.19	284	8.407	164	69.34	352	50.04	23	32.11	351	33.152	154	42.07	313
10.9	23.147	205	58.35	269	8.571	235	65.82	333	50.27	41	28.60	331	33.306	201	38.94	297
20.9	23.352	238	55.66	244	8.806	297	62.49	302	50.68	57	25.29	300	33.507	239	35.97	271
30.9	23.590	264	53.22	211	9.103	351	59.47	259	51.25	72	22.29	259	33.746	272	33.26	234
Feb. 9.8	23.854	283	51.11	168	9.454	393	56.88	208	51.97	85	19.70	206	34.018	297	30.92	189
19.8	24.137	297	49.43	120	9.847	423	54.80	149	52.82	93	17.64	147	34.315	315	29.03	135
März 1.8	24.434	302	48.23	68	10.270	443	53.31	83	53.75	98	16.17	82	34.630	325	27.68	78
11.8	24.736	303	47.55	14	10.713	448	52.48	18	54.73	100	15.35	17	34.955	329	26.90	19
21.7	25.039	298	47.41	41	11.161	441	52.30	50	55.73	100	15.18	51	35.284	324	26.71	42
31.7	25.337	287	47.82	91	11.602	426	52.80	113	56.73	94	15.69	113	35.608	315	27.13	98
Apr. 10.7	25.624	272	48.73	138	12.028	396	53.93	170	57.67	86	16.82	172	35.923	298	28.11	150
20.7	25.896	252	50.11	178	12.424	359	55.63	222	58.53	77	18.54	222	36.221	276	29.61	196
30.6	26.148	227	51.89	211	12.783	313	57.85	264	59.30	63	20.76	265	36.497	248	31.57	234
Mai 10.6	26.375	197	54.00	236	13.096	259	60.49	297	59.93	50	23.41	297	36.745	215	33.91	263
20.6	26.572	164	56.36	253	13.355	201	63.46	321	60.43	33	26.38	321	36.960	178	36.54	284
30.5	26.736	128	58.89	261	13.556	136	66.67	333	60.76	18	29.59	333	37.138	137	39.38	296
Juni 9.5	26.864	88	61.50	263	13.692	69	70.00	337	60.94	0	32.92	337	37.275	92	42.34	298
19.5	26.952	47	64.13	256	13.761	1	73.37	331	60.94	16	36.29	330	37.367	45	45.32	292
29.5	26.999	3	66.69	242	13.762	67	76.68	316	60.78	32	39.59	316	37.412	3	48.24	280
Juli 9.4	27.002	41	69.11	223	13.695	134	79.84	293	60.46	48	42.75	293	37.409	51	51.04	259
19.4	26.961	81	71.34	200	13.561	197	82.77	265	59.98	62	45.68	265	37.358	97	53.63	234
29.4	26.880	122	73.34	170	13.364	254	85.42	229	59.36	74	48.33	229	37.261	140	55.97	203
Aug. 8.4	26.758	155	75.04	138	13.110	306	87.71	189	58.62	85	50.62	188	37.121	179	58.00	167
18.3	26.603	186	76.42	104	12.804	347	89.60	144	57.77	94	52.50	145	36.942	211	59.67	128
28.3	26.417	207	77.46	66	12.457	380	91.04	97	56.83	102	53.95	96	36.731	237	60.95	87
Sept. 7.3	26.210	222	78.12	28	12.077	400	92.01	46	55.81	105	54.91	46	36.494	254	61.82	43
17.2	25.988	226	78.40	11	11.677	409	92.47	5	54.76	107	55.37	5	36.240	260	62.25	2
27.2	25.762	221	78.29	52	11.268	404	92.42	58	53.69	106	55.32	57	35.980	256	62.23	48
Okt. 7.2	25.541	205	77.77	92	10.864	386	91.84	109	52.63	103	54.75	110	35.724	242	61.75	93
17.2	25.336	181	76.85	131	10.478	353	90.75	161	51.60	96	53.65	160	35.482	217	60.82	138
27.1	25.155	147	75.54	169	10.125	310	89.14	209	50.64	87	52.05	208	35.265	184	59.44	180
Nov. 6.1	25.008	106	73.85	203	9.815	253	87.05	254	49.77	75	49.97	253	35.081	141	57.64	221
16.1	24.902	59	71.82	235	9.562	189	84.51	292	49.02	60	47.44	291	34.940	92	55.43	255
26.1	24.843	10	69.47	259	9.373	116	81.59	324	48.42	45	44.53	323	34.848	39	52.88	284
Dez. 6.0	24.833	42	66.88	279	9.257	39	78.35	347	47.97	27	41.30	345	34.809	15	50.04	305
16.0	24.875	91	64.09	289	9.218	40	74.88	359	47.70	8	37.85	358	34.824	71	46.99	318
26.0	24.966	139	61.20	291	9.258	117	71.29	360	47.62	11	34.27	359	34.895	124	43.81	320
36.0	25.105		58.29		9.375		67.69		47.73		30.68		35.019		40.61	
Mittl. Ort	24.280		55.31		10.787		64.03		56.30		26.81		34.653		36.10	
sec δ, tg δ	1.130		+0.526		1.830		+1.533		4.437		+4.323		1.256		+0.761	

Mittlere Zeit Greenw.	673) ν Ophiuchi AR.		673) ν Ophiuchi Dekl.		676) γ Draconis AR.		676) γ Draconis Dekl.		677) 67 Ophiuchi AR.		677) 67 Ophiuchi Dekl.		679) γ Sagittarii AR.		679) γ Sagittarii Dekl.	
1922	17h 54m		−9° 45′		17h 54m		+51° 29′		17h 56m		+2° 56′		18h 0m		−30° 25′	
Jan. 1.0	42.853	177	46.08	93	45.627	157	56.53	346	43.220	164	10.86	165	46.576	198	25.27	34
10.9	43.030	211	47.01	93	45.784	216	53.07	327	43.384	198	9.21	159	46.774	237	24.93	26
20.9	43.241	237	47.94	89	46.000	271	49.80	298	43.582	226	7.62	148	47.011	268	24.67	19
30.9	43.478	258	48.83	80	46.271	317	46.82	257	43.808	247	6.14	130	47.279	293	24.48	13
Feb. 9.9	43.736	274	49.63	67	46.588	352	44.25	207	44.055	264	4.84	107	47.572	310	24.35	8
19.8	44.010	284	50.30	49	46.940	379	42.18	149	44.319	275	3.77	78	47.882	324	24.27	5
März 1.8	44.294	290	50.79	31	47.319	395	40.69	86	44.594	281	2.99	46	48.206	330	24.22	3
11.8	44.584	290	51.10	10	47.714	400	39.83	20	44.875	283	2.53	13	48.536	333	24.19	2
21.7	44.874	288	51.20	12	48.114	396	39.63	45	45.158	280	2.40	21	48.869	331	24.17	1
31.7	45.162	282	51.08	31	48.510	382	40.08	107	45.438	275	2.61	53	49.200	325	24.16	0
Apr. 10.7	45.444	272	50.77	48	48.892	359	41.15	165	45.713	264	3.14	81	49.525	316	24.16	2
20.7	45.716	259	50.29	64	49.251	328	42.80	214	45.977	251	3.95	107	49.841	300	24.18	6
30.6	45.975	240	49.65	74	49.579	289	44.94	258	46.228	233	5.02	127	50.141	282	24.24	9
Mai 10.6	46.215	219	48.91	82	49.868	244	47.52	289	46.461	210	6.29	141	50.423	257	24.33	16
20.6	46.434	192	48.09	86	50.112	193	50.41	313	46.671	184	7.70	151	50.680	227	24.49	22
30.6	46.626	162	47.23	85	50.305	138	53.54	327	46.855	153	9.21	155	50.907	194	24.71	30
Juni 9.5	46.788	127	46.38	83	50.443	80	56.81	330	47.008	120	10.76	154	51.101	154	25.01	36
19.5	46.915	89	45.55	78	50.523	20	60.11	324	47.128	82	12.30	149	51.255	111	25.37	43
29.5	47.004	50	44.77	70	50.543	41	63.35	311	47.210	43	13.79	140	51.366	66	25.80	47
Juli 9.5	47.054	9	44.07	62	50.502	99	66.46	289	47.253	2	15.19	127	51.432	18	26.27	50
19.4	47.063	33	43.45	52	50.403	157	69.35	261	47.255	37	16.46	113	51.450	30	26.77	52
29.4	47.030	72	42.93	43	50.246	209	71.96	227	47.218	76	17.59	96	51.420	75	27.29	50
Aug. 8.4	46.958	107	42.50	34	50.037	254	74.23	188	47.142	111	18.55	79	51.345	117	27.79	44
18.3	46.851	139	42.16	25	49.783	294	76.11	144	47.031	140	19.34	60	51.228	153	28.23	38
28.3	46.712	162	41.91	17	49.489	324	77.55	98	46.891	164	19.94	41	51.075	182	28.61	28
Sept. 7.3	46.550	178	41.74	9	49.165	344	78.53	49	46.727	180	20.35	21	50.893	202	28.89	15
17.3	46.372	185	41.65	1	48.821	351	79.02	2	46.547	186	20.56	2	50.691	209	29.04	3
27.2	46.187	181	41.64	7	48.470	348	79.00	53	46.361	183	20.58	19	50.482	207	29.07	11
Okt. 7.2	46.006	167	41.71	15	48.122	331	78.47	103	46.178	170	20.39	40	50.275	193	28.96	24
17.2	45.839	145	41.86	24	47.791	303	77.44	154	46.008	149	19.99	60	50.082	166	28.72	35
27.1	45.694	111	42.10	35	47.488	263	75.90	202	45.859	117	19.39	81	49.916	130	28.37	45
Nov. 6.1	45.583	73	42.45	45	47.225	213	73.88	245	45.742	80	18.58	101	49.786	87	27.92	50
16.1	45.510	29	42.90	56	47.012	155	71.43	283	45.662	37	17.57	120	49.699	36	27.42	54
26.1	45.481	19	43.46	68	46.857	91	68.60	316	45.625	8	16.37	137	49.663	17	26.88	53
Dez. 6.0	45.500	65	44.14	79	46.766	22	65.44	338	45.633	55	15.00	152	49.680	70	26.35	49
16.0	45.565	111	44.93	87	46.744	47	62.06	351	45.688	99	13.48	163	49.750	123	25.86	44
26.0	45.676	153	45.80	94	46.791	115	58.55	354	45.787	141	11.85	167	49.873	171	25.42	37
36.0	45.829		46.74		46.906		55.01		45.928		10.18		50.044		25.05	
Mittl. Ort	43.902		54.81		47.664		50.90		44.283		2.96		47.777		35.25	
sec δ, tg δ	1.015		−0.172		1.606		+1.257		1.001		+0.051		1.160		−0.587	

Mittlere Zeit Greenw.	680) 72 Ophiuchi AR.		Dekl.		681) ο Herculis AR.		Dekl.	
1922	$18^h 3^m$		$+9° 33'$		$18^h 4^m$		$+28° 44'$	
Jan. 1.0	37.976	154	13.58	198	28.657	144	69.61	284
10.0	38.130	188	11.60	190	28.801	185	66.77	272
20.9	38.318	218	9.70	177	28.986	220	64.05	249
30.9	38.536	241	7.93	154	29.206	250	61.56	218
Feb. 9.9	38.777	259	6.39	126	29.456	272	59.38	178
19.8	39.036	272	5.13	93	29.728	290	57.60	130
März 1.8	39.308	279	4.20	54	30.018	300	56.30	79
11.8	39.587	283	3.66	16	30.318	305	55.51	24
21.8	39.870	282	3.50	25	30.623	303	55.27	31
31.7	40.152	276	3.75	62	30.926	297	55.58	83
Apr. 10.7	40.428	267	4.37	97	31.223	285	56.41	131
20.7	40.695	254	5.34	127	31.508	267	57.72	174
30.6	40.949	235	6.61	152	31.775	246	59.46	210
Mai 10.6	41.184	213	8.13	171	32.021	217	61.56	238
20.6	41.397	186	9.84	183	32.238	186	63.94	258
30.6	41.583	156	11.67	190	32.424	149	66.52	269
Juni 9.5	41.739	121	13.57	190	32.573	109	69.21	272
19.5	41.860	83	15.47	185	32.682	68	71.93	268
29.5	41.943	43	17.32	175	32.750	23	74.61	257
Juli 9.5	41.986	3	19.07	161	32.773	22	77.18	240
19.4	41.989	38	20.68	145	32.751	66	79.58	217
29.4	41.951	77	22.13	125	32.685	107	81.75	190
Aug. 8.4	41.874	112	23.38	103	32.578	145	83.65	159
18.3	41.762	144	24.41	79	32.433	178	85.24	124
28.3	41.618	167	25.20	56	32.255	203	86.48	86
Sept. 7.3	41.451	184	25.76	30	32.052	220	87.34	49
17.3	41.267	191	26.06	4	31.832	229	87.83	8
27.2	41.076	190	26.10	22	31.603	227	87.91	33
Okt. 7.2	40.886	178	25.88	48	31.376	215	87.58	73
17.2	40.708	157	25.40	74	31.161	193	86.85	114
27.2	40.551	127	24.66	101	30.968	163	85.71	153
Nov. 6.1	40.424	91	23.65	125	30.805	124	84.18	190
16.1	40.333	49	22.40	148	30.681	81	82.28	222
26.1	40.284	4	20.92	169	30.600	32	80.06	250
Dez. 6.0	40.280	42	19.23	185	30.568	18	77.56	272
16.0	40.322	87	17.38	196	30.586	68	74.84	285
26.0	40.409	129	15.42	201	30.654	116	71.99	289
36.0	40.538		13.41		30.770		69.10	
Mittl. Ort	39.075		5.93		29.969		62.72	
sec δ, tg δ	1.014		+0.168		1.141		+0.549	

Mittlere Zeit Greenw.	682) μ Sagittarii AR.		Dekl.		688) η Serpentis AR.		Dekl.	
1922	$18^h 9^m$		$-21° 4'$		$18^h 17^m$		$-2° 54'$	
Jan. 1.0	4.766	176	40.97	19	15.331	148	64.64	128
10.0	4.942	211	41.16	22	15.479	183	65.92	124
20.9	5.153	242	41.38	24	15.662	212	67.16	117
30.9	5.395	265	41.62	22	15.874	236	68.33	103
Feb. 9.9	5.660	283	41.84	19	16.110	254	69.36	85
19.8	5.943	296	42.03	13	16.364	268	70.21	62
März 1.8	6.239	304	42.16	5	16.632	277	70.83	36
11.8	6.543	307	42.21	4	16.909	282	71.19	8
21.8	6.850	307	42.17	13	17.191	282	71.27	19
31.7	7.157	303	42.04	21	17.473	281	71.08	46
Apr. 10.7	7.460	295	41.83	28	17.754	273	70.62	71
20.7	7.755	283	41.55	33	18.027	263	69.91	90
30.6	8.038	266	41.22	35	18.290	248	69.01	108
Mai 10.6	8.304	245	40.87	34	18.538	228	67.93	119
20.6	8.549	218	40.53	33	18.766	203	66.74	126
30.6	8.767	187	40.20	28	18.969	174	65.48	128
Juni 9.5	8.954	151	39.92	22	19.143	141	64.20	126
19.5	9.105	112	39.70	15	19.284	104	62.94	121
29.5	9.217	69	39.55	9	19.388	65	61.73	112
Juli 9.5	9.286	25	39.46	2	19.453	23	60.61	101
19.4	9.311	19	39.44	4	19.476	18	59.60	88
29.4	9.292	63	39.48	8	19.458	59	58.72	74
Aug. 8.4	9.229	101	39.56	10	19.399	97	57.98	60
18.3	9.128	137	39.66	12	19.302	128	57.38	44
28.3	8.991	165	39.78	10	19.174	156	56.94	30
Sept. 7.3	8.826	184	39.88	7	19.018	174	56.64	16
17.3	8.642	193	39.95	5	18.844	184	56.48	0
27.2	8.449	192	40.00	0	18.660	184	56.48	14
Okt. 7.2	8.257	179	40.00	3	18.476	175	56.62	29
17.2	8.078	157	39.97	6	18.301	155	56.91	43
27.2	7.921	126	39.91	7	18.146	127	57.34	59
Nov. 6.1	7.795	85	39.84	6	18.019	91	57.93	74
16.1	7.710	40	39.78	4	17.928	51	58.67	90
26.1	7.670	8	39.74	1	17.877	7	59.57	102
Dez. 6.0	7.678	58	39.75	6	17.870	38	60.59	116
16.0	7.736	106	39.81	13	17.908	83	61.75	124
26.0	7.842	150	39.94	18	17.991	125	62.99	129
36.0	7.992		40.12		18.116		64.28	
Mittl. Ort	5.890		50.15		16.399		72.95	
sec δ, tg δ	1.072		−0.386		1.001		−0.051	

Mittlere Zeit Greenw.	689) ε Sagittarii AR.		689) ε Sagittarii Dekl.		690) 109 Herculis AR.		690) 109 Herculis Dekl.		691) α Telescopii AR.		691) α Telescopii Dekl.		695) χ Draconis AR.		695) χ Draconis Dekl.	
1922	$18^h\ 18^m$		$-34°\ 25'$		$18^h\ 20^m$		$+21°\ 43'$		$18^h\ 21^m$		$-46°\ 0'$		$18^h\ 22^m$		$+72°\ 41'$	
Jan. 1.0	$58^s.367$	185	$12''.77$	67	$21^s.223$	130	$67''.06$	254	$9^s.800$	207	$36''.35$	137	$23^s.39$	11	$65''.65$	357
11.0	58.552	227	12.10	60	21.353	170	64.52	245	10.007	259	34.98	127	23.50	25	62.08	347
20.9	58.779	262	11.50	53	21.523	203	62.07	228	10.266	301	33.71	114	23.75	38	58.61	323
30.9	59.041	290	10.97	46	21.726	232	59.79	200	10.567	335	32.57	100	24.13	49	55.38	287
Feb. 9.9	59.331	312	10.51	39	21.958	255	57.79	166	10.902	363	31.57	84	24.62	60	52.51	240
19.8	59.643	328	10.12	32	22.213	272	56.13	124	11.265	384	30.73	68	25.22	68	50.11	185
März 1.8	59.971	339	9.80	28	22.485	284	54.89	78	11.649	397	30.05	51	25.90	73	48.26	124
11.8	60.310	345	9.52	22	22.769	291	54.11	29	12.046	405	29.54	34	26.63	77	47.02	57
21.8	60.655	347	9.30	17	23.060	293	53.82	21	12.451	407	29.20	18	27.40	77	46.45	10
31.7	61.002	343	9.13	11	23.353	289	54.03	69	12.858	403	29.02	1	28.17	76	46.55	76
Apr. 10.7	61.345	336	9.02	5	23.642	282	54.72	114	13.261	395	29.01	17	28.93	72	47.31	136
20.7	61.681	323	8.97	2	23.924	268	55.86	154	13.656	379	29.18	35	29.65	65	48.67	193
30.6	62.004	306	8.99	12	24.192	251	57.40	186	14.035	359	29.53	53	30.30	57	50.60	241
Mai 10.6	62.310	283	9.11	21	24.443	227	59.26	214	14.394	330	30.06	70	30.87	48	53.01	280
20.6	62.593	254	9.32	31	24.670	199	61.40	232	14.724	295	30.76	87	31.35	37	55.81	309
30.6	62.847	219	9.63	42	24.869	166	63.72	243	15.019	254	31.63	102	31.72	24	58.90	330
Juni 9.5	63.066	180	10.05	52	25.035	130	66.15	248	15.273	207	32.65	115	31.96	13	62.20	341
19.5	63.246	134	10.57	61	25.165	90	68.63	244	15.480	154	33.80	126	32.09	0	65.61	342
29.5	63.380	87	11.18	68	25.255	47	71.07	235	15.634	98	35.06	132	32.09	13	69.03	333
Juli 9.5	63.467	37	11.86	72	25.302	4	73.42	221	15.732	38	36.38	134	31.96	25	72.36	317
19.4	63.504	14	12.58	74	25.306	39	75.63	200	15.770	21	37.72	133	31.71	37	75.53	293
29.4	63.490	63	13.32	73	25.267	80	77.63	177	15.749	80	39.05	126	31.34	47	78.46	263
Aug. 8.4	63.427	109	14.05	67	25.187	119	79.40	149	15.669	134	40.31	114	30.87	57	81.09	227
18.3	63.318	150	14.72	59	25.068	152	80.89	119	15.535	181	41.45	98	30.30	65	83.36	185
28.3	63.168	183	15.31	48	24.916	180	82.08	86	15.354	220	42.43	77	29.65	72	85.21	140
Sept. 7.3	62.985	206	15.79	32	24.736	198	82.94	53	15.134	249	43.20	51	28.93	76	86.61	92
17.3	62.779	219	16.11	16	24.538	209	83.47	17	14.885	264	43.71	23	28.17	80	87.53	40
27.2	62.560	219	16.27	1	24.329	210	83.64	19	14.621	265	43.94	6	27.37	79	87.93	13
Okt. 7.2	62.341	208	16.26	20	24.119	201	83.45	55	14.356	252	43.88	35	26.58	79	87.80	67
17.2	62.133	184	16.06	36	23.918	182	82.90	91	14.104	226	43.53	63	25.79	74	87.13	119
27.2	61.949	151	15.70	50	23.736	155	81.99	126	13.878	187	42.90	88	25.05	69	85.94	172
Nov. 6.1	61.798	106	15.20	62	23.581	120	80.73	159	13.691	137	42.02	109	24.36	61	84.22	220
16.1	61.692	58	14.58	70	23.461	79	79.14	190	13.554	78	40.93	126	23.75	51	82.02	265
26.1	61.634	3	13.88	75	23.382	34	77.24	216	13.476	16	39.67	138	23.24	39	79.37	302
Dez. 6.0	61.631	51	13.13	75	23.348	13	75.08	237	13.460	49	38.29	143	22.85	26	76.35	333
16.0	61.682	106	12.38	73	23.361	59	72.71	251	13.509	113	36.86	144	22.59	13	73.02	352
26.0	61.788	156	11.65	69	23.420	104	70.20	257	13.622	173	35.42	139	22.46	2	69.50	362
36.0	61.944		10.96		23.524		67.63		13.795		34.03		22.48		65.88	
Mittl. Ort	59.678		22.20		22.425		59.30		11.402		46.10		27.87		57.71	
sec δ, tg δ	1.212		−0.685		1.076		+0.398		1.440		−1.036		3.363		+3.210	

Mittlere Zeit Greenw.	694) *b* Draconis AR.		694) *b* Draconis Dekl.		698) ζ Pavonis AR.		698) ζ Pavonis Dekl.	
	$18^h 22^m$		$+58° 45'$		$18^h 33^m$		$-71° 29'$	
1922	s		"		s		"	
Jan. 1.0	43.872	110	26.19	355	51.78	33	41.20	272
11.0	43.982	186	22.64	343	52.11	45	38.48	257
20.9	44.168	258	19.21	319	52.56	55	35.91	236
30.9	44.426	321	16.02	282	53.11	64	33.55	210
Feb. 9.9	44.747	373	13.20	236	53.75	71	31.45	179
19.8	45.120	416	10.84	181	54.46	78	29.66	145
März 1.8	45.536	445	9.03	119	55.24	81	28.21	108
11.8	45.981	462	7.84	53	56.05	83	27.13	71
21.8	46.443	467	7.31	14	56.88	85	26.42	32
31.7	46.910	458	7.45	79	57.73	84	26.10	6
Apr. 10.7	47.368	438	8.24	141	58.57	82	26.16	46
20.7	47.806	405	9.65	195	59.39	79	26.62	82
30.7	48.211	364	11.60	243	60.18	74	27.44	119
Mai 10.6	48.575	313	14.03	282	60.92	67	28.63	151
20.6	48.888	254	16.85	312	61.59	60	30.14	181
30.6	49.142	189	19.97	331	62.19	50	31.95	208
Juni 9.5	49.331	120	23.28	341	62.69	40	34.03	229
19.5	49.451	47	26.69	342	63.09	29	36.32	243
29.5	49.498	26	30.11	333	63.38	17	38.75	251
Juli 9.5	49.472	99	33.44	316	63.55	4	41.26	253
19.4	49.373	169	36.60	292	63.59	9	43.79	245
29.4	49.204	234	39.52	261	63.50	20	46.24	231
Aug. 8.4	48.970	294	42.13	225	63.30	33	48.55	209
18.4	48.676	344	44.38	184	62.97	43	50.64	178
28.3	48.332	385	46.22	138	62.54	51	52.42	140
Sept. 7.3	47.947	414	47.60	89	62.03	57	53.82	98
17.3	47.533	431	48.49	38	61.46	61	54.80	50
27.2	47.102	435	48.87	14	60.85	63	55.30	0
Okt. 7.2	46.667	424	48.73	68	60.22	61	55.30	52
17.2	46.243	399	48.05	120	59.61	56	54.78	101
27.2	45.844	361	46.85	172	59.05	49	53.77	148
Nov. 6.1	45.483	311	45.13	221	58.56	40	52.29	189
16.1	45.172	249	42.92	264	58.16	28	50.40	224
26.1	44.923	179	40.28	301	57.88	15	48.16	249
Dez. 6.1	44.744	103	37.27	331	57.73	2	45.67	267
16.0	44.641	22	33.96	350	57.71	11	43.00	275
26.0	44.619	60	30.46	358	57.82	26	40.25	273
36.0	44.679		26.88		58.08		37.52	
Mittl. Ort	46.304		18.40		55.70		50.80	
sec δ, tg δ	1.928		+1.648		3.151		−2.988	

Mittlere Zeit Greenw.	699) α Lyrae AR.		699) α Lyrae Dekl.		703) 110 Herculis AR.		703) 110 Herculis Dekl.	
	$18^h 34^m$		$+38° 42'$		$18^h 42^m$		$+20° 28'$	
1922	s		"		s		"	
Jan. 1.0	16.358	105	45.21	314	17.095	109	22.77	244
11.0	16.463	155	42.07	305	17.204	147	20.33	238
20.9	16.618	198	39.02	285	17.351	183	17.95	223
30.9	16.816	237	36.17	254	17.534	213	15.72	199
Feb. 9.9	17.053	269	33.63	214	17.747	237	13.73	167
19.8	17.322	296	31.49	165	17.984	259	12.06	128
März 1.8	17.618	315	29.84	109	18.243	273	10.78	84
11.8	17.933	327	28.75	51	18.516	284	9.94	36
21.8	18.260	333	28.24	9	18.800	290	9.58	12
31.7	18.593	330	28.33	68	19.090	291	9.70	59
Apr. 10.7	18.923	323	29.01	124	19.381	286	10.29	104
20.7	19.246	307	30.25	174	19.667	278	11.33	144
30.7	19.553	284	31.99	218	19.945	262	12.77	179
Mai 10.6	19.837	257	34.17	253	20.207	242	14.56	206
20.6	20.094	222	36.70	280	20.449	217	16.62	226
30.6	20.316	182	39.50	298	20.666	186	18.88	240
Juni 9.5	20.498	139	42.48	307	20.852	151	21.28	245
19.5	20.637	90	45.55	309	21.003	111	23.73	244
29.5	20.727	41	48.64	301	21.114	70	26.17	237
Juli 9.5	20.768	10	51.65	287	21.184	26	28.54	223
19.4	20.758	60	54.52	265	21.210	18	30.77	206
29.4	20.698	108	57.17	239	21.192	62	32.83	183
Aug. 8.4	20.590	153	59.56	206	21.130	101	34.66	157
18.4	20.437	192	61.62	170	21.029	137	36.23	128
28.3	20.245	224	63.32	129	20.892	167	37.51	98
Sept. 7.3	20.021	248	64.61	88	20.725	189	38.49	64
17.3	19.773	262	65.49	43	20.536	203	39.13	31
27.2	19.511	266	65.92	4	20.333	208	39.44	4
Okt. 7.2	19.245	260	65.88	50	20.125	202	39.40	40
17.2	18.985	241	65.38	98	19.923	187	39.00	74
27.2	18.744	215	64.40	143	19.736	164	38.26	109
Nov. 6.1	18.529	179	62.97	186	19.572	131	37.17	143
16.1	18.350	135	61.11	225	19.441	94	35.74	173
26.1	18.215	87	58.86	260	19.347	51	34.01	199
Dez. 6.1	18.128	34	56.26	288	19.296	7	32.02	222
16.0	18.094	20	53.38	307	19.289	38	29.80	238
26.0	18.114	73	50.31	315	19.327	82	27.42	246
36.0	18.187		47.16		19.409		24.96	
Mittl. Ort	17.839		36.82		18.264		14.26	
sec δ, tg δ	1.281		+0.801		1.067		+0.373	

Mittlere Zeit Greenw.	704) λ Pavonis AR.		704) λ Pavonis Dekl.		705) β Lyrae AR.		705) β Lyrae Dekl.	
1922	18h 44m		−62° 16′		18h 47m		+33° 16′	
	s		″		s		″	
Jan. 1.0	56.97	22	35.28	235	10.661	94	25.65	294
11.0	57.19	31	32.93	225	10.755	139	22.71	288
20.9	57.50	38	30.68	211	10.894	180	19.83	271
30.9	57.88	44	28.57	190	11.074	216	17.12	244
Feb. 9.9	58.32	48	26.67	166	11.290	248	14.68	207
19.9	58.80	53	25.01	140	11.538	273	12.61	162
März 1.8	59.33	56	23.61	112	11.811	293	10.99	111
11.8	59.89	58	22.49	81	12.104	306	9.88	55
21.8	60.47	58	21.68	50	12.410	314	9.33	2
31.8	61.05	59	21.18	17	12.724	315	9.35	58
Apr. 10.7	61.64	58	21.01	14	13.039	310	9.93	111
20.7	62.22	56	21.15	46	13.349	299	11.04	159
30.7	62.78	54	21.61	79	13.648	282	12.63	202
Mai 10.6	63.32	49	22.40	108	13.930	258	14.65	237
20.6	63.81	45	23.48	136	14.188	227	17.02	263
30.6	64.26	39	24.84	161	14.415	193	19.65	282
Juni 9.6	64.65	31	26.45	182	14.608	153	22.47	292
19.5	64.96	24	28.27	198	14.761	109	25.39	294
29.5	65.20	17	30.25	210	14.870	61	28.33	288
Juli 9.5	65.37	7	32.35	215	14.931	14	31.21	275
19.4	65.44	2	34.50	213	14.945	34	33.96	256
29.4	65.42	10	36.63	203	14.911	82	36.52	231
Aug. 8.4	65.32	19	38.66	187	14.829	125	38.83	202
18.4	65.13	26	40.53	165	14.704	164	40.85	167
28.3	64.87	32	42.18	134	14.540	196	42.52	132
Sept. 7.3	64.55	37	43.52	99	14.344	221	43.84	91
17.3	64.18	40	44.51	58	14.123	237	44.75	50
27.2	63.78	42	45.09	16	13.886	243	45.25	7
Okt. 7.2	63.36	40	45.25	29	13.643	238	45.32	38
17.2	62.96	38	44.96	72	13.405	224	44.94	81
27.2	62.58	33	44.24	115	13.181	200	44.13	124
Nov. 6.1	62.25	26	43.09	151	12.981	167	42.89	166
16.1	61.99	19	41.58	182	12.814	128	41.23	204
26.1	61.80	10	39.76	208	12.686	83	39.19	237
Dez. 6.1	61.70	1	37.68	224	12.603	35	36.82	265
16.0	61.69	8	35.44	233	12.568	15	34.17	285
26.0	61.77	17	33.11	235	12.583	64	31.32	295
36.0	61.94		30.76		12.647		28.37	
Mittl. Ort	59.61		43.78		11.997		16.68	
sec δ, tg δ	2.150		−1.903		1.196		+0.656	

Mittlere Zeit Greenw.	707) ο Draconis AR.		707) ο Draconis Dekl.		706) σ Sagittarii AR.		706) σ Sagittarii Dekl.	
1922	18h 50m		+59° 17′		18h 50m		−26° 23′	
	s		″		s		″	
Jan. 1.0	0.747	59	43.38	352	24.516	139	34.02	30
11.0	0.806	138	39.86	348	24.655	179	33.72	29
20.9	0.944	213	36.38	329	24.834	212	33.43	27
30.9	1.157	282	33.09	300	25.046	242	33.16	29
Feb. 9.9	1.439	342	30.09	258	25.288	266	32.87	30
19.9	1.781	391	27.51	207	25.554	285	32.57	33
März 1.8	2.172	431	25.44	148	25.839	300	32.24	37
11.8	2.603	457	23.96	85	26.139	311	31.87	41
21.8	3.060	471	23.11	19	26.450	318	31.46	44
31.8	3.531	472	22.92	48	26.768	320	31.02	47
Apr. 10.7	4.003	460	23.40	110	27.088	319	30.55	48
20.7	4.463	436	24.50	169	27.407	312	30.07	46
30.7	4.899	400	26.19	220	27.719	301	29.61	43
Mai 10.6	5.299	354	28.39	264	28.020	284	29.18	37
20.6	5.653	300	31.03	299	28.304	261	28.81	29
30.6	5.953	237	34.02	324	28.565	232	28.52	19
Juni 9.6	6.190	168	37.26	339	28.797	196	28.33	9
19.5	6.358	96	40.65	346	28.993	158	28.24	3
29.5	6.454	20	44.11	343	29.151	114	28.27	14
Juli 9.5	6.474	54	47.54	332	29.265	66	28.41	24
19.4	6.420	129	50.86	313	29.331	19	28.65	33
29.4	6.291	199	53.99	286	29.350	29	28.98	38
Aug. 8.4	6.092	263	56.85	254	29.321	74	29.36	42
18.4	5.829	320	59.39	217	29.247	116	29.78	43
28.3	5.509	368	61.56	173	29.131	151	30.21	41
Sept. 7.3	5.141	404	63.29	127	28.980	177	30.62	35
17.3	4.737	429	64.56	77	28.803	195	30.97	28
27.2	4.308	440	65.33	24	28.608	201	31.25	20
Okt. 7.2	3.868	436	65.57	28	28.407	196	31.45	9
17.2	3.432	420	65.29	83	28.211	180	31.54	1
27.2	3.012	389	64.46	136	28.031	154	31.53	9
Nov. 6.1	2.623	344	63.10	187	27.877	119	31.44	18
16.1	2.279	289	61.23	235	27.758	77	31.26	23
26.1	1.990	225	58.88	276	27.681	31	31.03	27
Dez. 6.1	1.765	151	56.12	311	27.650	17	30.76	29
16.0	1.614	73	53.01	337	27.667	66	30.47	29
26.0	1.541	7	49.64	352	27.733	112	30.18	28
36.0	1.548		46.12		27.845		29.90	
Mittl. Ort	3.095		33.46		25.757		41.96	
sec δ, tg δ	1.958		+1.684		1.116		−0.496	

Mittlere Zeit Greenw.	708) λ Telescopii				709) ϑ Serpentis pr.				711) *R* Lyrae				713) γ Lyrae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$18^h\ 52^m$		$-53°\ 2'$		$18^h\ 52^m$		$+4°\ 6'$		$18^h\ 52^m$		$+43°\ 50'$		$18^h\ 56^m$		$+32°\ 34'$	
	s		"		s		"		s		"		s		"	
Jan. 1.0	11.517	181	23.57	191	19.438	111	11.69	156	56.143	77	42.82	325	0.218	84	63.39	289
11.0	11.698	241	21.66	184	19.549	147	10.13	152	56.220	131	39.57	320	0.302	130	60.50	285
21.0	11.939	296	19.82	174	19.696	178	8.61	142	56.351	180	36.37	303	0.432	170	57.65	270
30.9	12.235	342	18.08	159	19.874	205	7.19	127	56.531	226	33.34	274	0.602	207	54.95	243
Feb. 9.9	12.577	380	16.49	143	20.079	229	5.92	104	56.757	265	30.60	236	0.809	238	52.52	209
19.9	12.957	411	15.06	124	20.308	248	4.88	76	57.022	297	28.24	187	1.047	266	50.43	165
März 1.8	13.368	434	13.82	104	20.556	262	4.12	45	57.319	323	26.37	133	1.313	286	48.78	114
11.8	13.802	451	12.78	81	20.818	272	3.67	12	57.642	341	25.04	73	1.599	302	47.64	60
21.8	14.253	460	11.97	59	21.090	280	3.55	—24	57.983	352	24.31	10	1.901	310	47.04	4
31.8	14.713	464	11.38	34	21.370	283	3.79	56	58.335	354	24.21	—50	2.211	314	47.00	—52
Apr. 10.7	15.177	460	11.04	10	21.653	281	4.35	88	58.689	348	24.71	110	2.525	312	47.52	105
20.7	15.637	450	10.94	—16	21.934	275	5.23	115	59.037	335	25.81	164	2.837	301	48.57	153
30.7	16.087	430	11.10	42	22.209	264	6.38	138	59.372	313	27.45	211	3.138	286	50.10	197
Mai 10.7	16.517	403	11.52	67	22.473	248	7.76	155	59.685	285	29.56	251	3.424	263	52.07	232
20.6	16.920	368	12.19	91	22.721	226	9.31	167	59.970	249	32.07	283	3.687	235	54.39	259
30.6	17.288	324	13.10	113	22.947	200	10.98	173	60.219	207	34.90	305	3.922	201	56.98	279
Juni 9.6	17.612	272	14.23	134	23.147	167	12.71	174	60.426	161	37.95	319	4.123	162	59.77	290
19.6	17.884	214	15.57	151	23.314	132	14.45	170	60.587	109	41.14	323	4.285	119	62.67	293
29.5	18.098	149	17.08	163	23.446	92	16.15	162	60.696	56	44.37	320	4.404	72	65.60	288
Juli 9.5	18.247	82	18.71	170	23.538	50	17.77	149	60.752	0	47.57	308	4.476	24	68.48	276
19.5	18.329	12	20.41	172	23.588	8	19.26	135	60.752	54	50.65	289	4.500	—24	71.24	258
29.4	18.341	—58	22.13	169	23.596	—35	20.61	117	60.698	107	53.54	263	4.476	71	73.82	235
Aug. 8.4	18.283	124	23.82	158	23.561	75	21.78	98	60.591	156	56.17	233	4.405	116	76.17	205
18.4	18.159	184	25.40	141	23.486	111	22.76	77	60.435	200	58.50	197	4.289	155	78.22	174
28.3	17.975	234	26.81	119	23.375	142	23.53	58	60.235	237	60.47	157	4.134	189	79.96	137
Sept. 7.3	17.741	275	28.00	92	23.233	165	24.11	36	59.998	266	62.04	113	3.945	215	81.33	98
17.3	17.466	300	28.92	59	23.068	180	24.47	14	59.732	284	63.17	68	3.730	231	82.31	57
27.3	17.166	312	29.51	25	22.888	185	24.61	—6	59.448	292	63.85	19	3.499	240	82.88	15
Okt. 7.2	16.854	306	29.76	—12	22.703	181	24.55	28	59.156	289	64.04	—29	3.259	236	83.03	—29
17.2	16.548	285	29.64	48	22.522	168	24.27	48	58.867	275	63.75	80	3.023	223	82.74	73
27.2	16.263	249	29.16	83	22.354	146	23.79	69	58.592	251	62.95	128	2.800	201	82.01	115
Nov. 6.2	16.014	199	28.33	115	22.208	116	23.10	90	58.341	216	61.67	175	2.599	170	80.86	157
16.1	15.815	140	27.18	141	22.092	79	22.20	109	58.125	174	59.92	218	2.429	133	79.29	195
26.1	15.675	72	25.77	162	22.013	40	21.11	126	57.951	125	57.74	256	2.296	89	77.34	229
Dez. 6.1	15.603	2	24.15	177	21.973	—3	19.85	141	57.826	72	55.18	288	2.207	42	75.05	257
16.0	15.601	—70	22.38	186	21.976	45	18.44	152	57.754	15	52.30	312	2.165	—7	72.48	278
26.0	15.671	140	20.52	189	22.021	86	16.92	157	57.739	—41	49.18	324	2.172	54	69.70	290
36.0	15.811		18.63		22.107		15.35		57.780		45.94		2.226		66.80	
Mittl. Ort	13.522		31.40		20.513		3.32		57.717		33.21		1.521		54.04	
sec δ, tg δ	1.663		—1.329		1.003		+0.072		1.386		+0.960		1.187		+0.639	

Mittlere Zeit Greenw.	716) ζ Aquilae AR.	Diff.	716) ζ Aquilae Dekl.	Diff.	717) λ Aquilae AR.	Diff.	717) λ Aquilae Dekl.	Diff.	718) α Coron. austr. AR.	Diff.	718) α Coron. austr. Dekl.	Diff.	720) π Sagittarii AR.	Diff.	720) π Sagittarii Dekl.	Diff.
1922	19h 1m		+13° 44'		19h 2m		−4° 59'		19h 4m		−38° 1'		19h 5m		−21° 8'	
Jan. 1.0	48.389 s	94	55.91 "	206	5.508 s	108	54.27 "	100	8.535 s	137	31.58 "	106	6.366 s	118	48.49 "	2
11.0	48.483	131	53.85	202	5.616	144	55.27	97	8.672	182	30.52	106	6.484	156	48.47	2
21.0	48.614	166	51.83	190	5.760	175	56.24	91	8.854	223	29.46	102	6.640	190	48.45	5
30.9	48.780	195	49.93	171	5.935	203	57.15	78	9.077	259	28.44	98	6.830	219	48.40	9
Feb. 9.9	48.975	220	48.22	144	6.138	226	57.93	62	9.336	287	27.46	92	7.049	245	48.31	16
19.9	49.195	242	46.78	110	6.364	246	58.55	42	9.623	312	26.54	87	7.294	264	48.15	23
März 1.9	49.437	260	45.68	72	6.610	262	58.97	18	9.935	331	25.67	80	7.558	280	47.92	32
11.8	49.697	272	44.96	30	6.872	273	59.15	7	10.266	346	24.87	73	7.838	294	47.60	42
21.8	49.969	281	44.66	12	7.145	281	59.08	33	10.612	356	24.14	65	8.132	302	47.18	51
31.8	50.250	285	44.78	54	7.426	286	58.75	57	10.968	361	23.49	55	8.434	307	46.67	60
Apr. 10.7	50.535	285	45.32	95	7.712	286	58.18	80	11.329	361	22.94	44	8.741	309	46.07	65
20.7	50.820	280	46.27	130	7.998	282	57.38	100	11.690	357	22.50	32	9.050	305	45.42	69
30.7	51.100	269	47.57	160	8.280	273	56.38	114	12.047	345	22.18	18	9.355	296	44.73	69
Mai 10.7	51.369	253	49.17	186	8.553	259	55.24	126	12.392	328	22.00	1	9.651	281	44.04	67
20.6	51.622	230	51.03	203	8.812	239	53.98	131	12.720	303	21.99	15	9.932	261	43.37	63
30.6	51.852	204	53.06	216	9.051	213	52.67	133	13.023	272	22.14	32	10.193	235	42.74	54
Juni 9.6	52.056	171	55.22	220	9.264	182	51.34	130	13.295	234	22.46	48	10.428	202	42.20	45
19.6	52.227	134	57.42	219	9.446	147	50.04	124	13.529	190	22.94	65	10.630	165	41.75	33
29.5	52.361	93	59.61	212	9.593	107	48.80	114	13.719	140	23.59	78	10.795	123	41.42	21
Juli 9.5	52.454	51	61.73	200	9.700	65	47.66	102	13.859	88	24.37	89	10.918	79	41.21	10
19.5	52.505	8	63.73	185	9.765	22	46.64	89	13.947	34	25.26	96	10.997	31	41.11	2
29.4	52.513	36	65.58	164	9.787	21	45.75	73	13.981	22	26.22	101	11.028	15	41.13	12
Aug. 8.4	52.477	77	67.22	142	9.766	63	45.02	59	13.959	73	27.23	99	11.013	59	41.25	19
18.4	52.400	115	68.64	116	9.703	100	44.43	43	13.886	122	28.22	95	10.954	101	41.44	25
28.4	52.285	145	69.80	90	9.603	133	44.00	28	13.764	164	29.17	85	10.853	137	41.69	28
Sept. 7.3	52.140	171	70.70	62	9.470	158	43.72	15	13.600	197	30.02	71	10.716	164	41.97	29
17.3	51.969	187	71.32	33	9.312	174	43.57	1	13.403	218	30.73	53	10.552	182	42.26	27
27.3	51.782	194	71.65	3	9.138	182	43.56	11	13.185	230	31.26	32	10.370	192	42.53	24
Okt. 7.3	51.588	192	71.68	26	8.956	179	43.67	24	12.955	227	31.58	11	10.178	189	42.77	19
17.2	51.396	180	71.42	56	8.777	167	43.91	36	12.728	212	31.69	11	9.989	176	42.96	14
27.2	51.216	159	70.86	85	8.610	146	44.27	48	12.516	186	31.58	33	9.813	154	43.10	10
Nov. 6.2	51.057	131	70.01	114	8.464	116	44.75	60	12.330	149	31.25	53	9.659	123	43.20	6
16.1	50.926	96	68.87	140	8.348	81	45.35	71	12.181	105	30.72	71	9.536	85	43.26	4
26.1	50.830	57	67.47	163	8.267	41	46.06	81	12.076	54	30.01	83	9.451	42	43.30	1
Dez. 6.1	50.773	16	65.84	184	8.226	1	46.87	91	12.022	1	29.18	94	9.409	3	43.31	2
16.1	50.757	27	64.00	198	8.227	42	47.78	99	12.021	54	28.24	101	9.412	49	43.33	1
26.0	50.784	69	62.02	206	8.269	84	48.77	102	12.075	106	27.23	103	9.461	92	43.34	1
36.0	50.853		59.96		8.353		49.79		12.181		26.20		9.553		43.35	
Mittl. Ort	49.485		47.12		6.586		62.33		10.011		38.70		7.553		55.95	
sec δ, tg δ	1.029		+0.245		1.004		−0.087		1.269		−0.782		1.072		−0.387	

Mittlere Zeit Greenw.	723) δ Draconis				724) ϑ Lyrae			
	AR.		Dekl.		AR.		Dekl.	
1922	$19^{h}\,12^{m}$		$+67^{\circ}\,31'$		$19^{h}\,13^{m}$		$+37^{\circ}\,59'$	
Jan. 1.0	29.44		39.35		38.255		48.75	
11.0	29.42	2	35.85	350	38.313	58	45.72	303
21.0	29.51	9	32.34	351	38.419	106	42.71	301
30.9	29.71	20	28.93	341	38.571	152	39.82	289
Feb. 9.9	30.01	30	25.77	316	38.765	194	37.17	265
19.9	30.39	38	22.96	281	38.996	231	34.86	231
März 1.9	30.85	46	20.62	234	39.259	263	32.98	188
11.8	31.38	53	18.84	178	39.548	289	31.61	137
21.8	31.95	57	17.67	117	39.857	309	30.79	82
31.8	32.55	60	17.15	52	40.181	324	30.57	22
Apr. 10.7	33.17	62	17.30	15	40.511	330	30.92	35
20.7	33.77	60	18.10	80	40.841	330	31.85	93
30.7	34.35	58	19.51	141	41.164	323	33.30	145
Mai 10.7	34.88	53	21.47	196	41.473	309	35.23	193
20.6	35.36	48	23.91	244	41.759	286	37.56	233
30.6	35.77	41	26.75	284	42.017	258	40.20	264
Juni 9.6	36.10	33	29.90	315	42.240	223	43.08	288
19.6	36.34	24	33.26	336	42.422	182	46.12	304
29.5	36.48	14	36.74	348	42.558	136	49.22	310
Juli 9.5	36.52	4	40.26	352	42.645	87	52.31	309
19.5	36.47	5	43.72	346	42.682	37	55.31	300
29.4	36.31	16	47.04	332	42.666	16	58.15	284
Aug. 8.4	36.06	25	50.14	310	42.600	66	60.76	261
18.4	35.73	33	52.96	282	42.485	115	63.11	235
28.4	35.31	42	55.44	248	42.327	158	65.12	201
Sept. 7.3	34.83	48	57.52	208	42.132	195	66.77	165
17.3	34.30	53	59.15	163	41.907	225	68.02	125
27.3	33.73	57	60.30	115	41.661	246	68.83	81
Okt. 7.3	33.13	60	60.94	64	41.403	258	69.21	38
17.2	32.52	61	61.04	10	41.145	258	69.12	9
27.2	31.93	59	60.59	45	40.897	248	68.56	56
Nov. 6.2	31.37	56	59.59	100	40.669	228	67.53	103
16.1	30.85	52	58.04	155	40.469	200	66.06	147
26.1	30.40	45	55.98	206	40.305	164	64.16	190
Dez. 6.1	30.02	38	53.46	252	40.184	121	61.88	228
16.1	29.73	29	50.54	292	40.109	75	59.27	261
26.0	29.54	19	47.29	325	40.085	24	56.42	285
36.0	29.45	9	43.85	344	40.111	26	53.41	301
Mittl. Ort	32.48		27.42		39.611		38.30	
sec δ, tg δ	2.616		+2.417		1.269		+0.781	

Mittlere Zeit Greenw.	725) ω Aquilae				726) ϰ Cygni			
	AR.		Dekl.		AR.		Dekl.	
1922	$19^{h}\,14^{m}$		$+11^{\circ}\,27'$		$19^{h}\,15^{m}$		$+53^{\circ}\,13'$	
Jan. 1.0	8.241		22.17		16.215		37.66	
11.0	8.325	84	20.27	190	16.244	29	34.28	338
21.0	8.445	120	18.40	187	16.339	95	30.90	338
30.9	8.600	155	16.63	177	16.498	159	27.63	327
Feb. 9.9	8.785	185	15.04	159	16.717	219	24.61	302
19.9	8.995	210	13.70	134	16.989	272	21.94	267
März 1.9	9.228	233	12.67	103	17.307	318	19.74	220
11.8	9.480	252	12.00	67	17.664	357	18.08	166
21.8	9.747	267	11.72	28	18.049	385	17.03	105
31.8	10.024	277	11.85	13	18.453	404	16.61	42
Apr. 10.7	10.308	284	12.39	54	18.866	413	16.84	23
20.7	10.593	285	13.30	91	19.277	411	17.70	86
30.7	10.876	283	14.55	125	19.676	399	19.15	145
Mai 10.7	11.149	273	16.10	155	20.052	376	21.13	198
20.6	11.409	260	17.89	179	20.396	344	23.57	244
30.6	11.648	239	19.85	196	20.699	303	26.38	281
Juni 9.6	11.862	214	21.93	208	20.954	255	29.48	310
19.6	12.044	182	24.05	212	21.153	199	32.79	331
29.5	12.190	146	26.16	211	21.292	139	36.20	341
Juli 9.5	12.297	107	28.21	205	21.367	75	39.62	342
19.5	12.362	65	30.14	193	21.376	9	42.97	335
29.4	12.382	20	31.91	177	21.319	57	46.17	320
Aug. 8.4	12.359	23	33.50	159	21.199	120	49.16	299
18.4	12.295	64	34.87	137	21.020	179	51.86	270
28.4	12.192	103	36.00	113	20.786	234	54.21	235
Sept. 7.3	12.056	136	36.88	88	20.506	280	56.18	197
17.3	11.895	161	37.50	62	20.189	317	57.70	152
27.3	11.714	181	37.85	35	19.845	344	58.75	105
Okt. 7.3	11.525	189	37.92	7	19.486	359	59.31	56
17.2	11.337	188	37.71	21	19.124	362	59.34	3
27.2	11.158	179	37.23	48	18.772	352	58.84	50
Nov. 6.2	10.997	161	36.48	75	18.441	331	57.82	102
16.1	10.864	133	35.46	102	18.144	297	56.27	155
26.1	10.763	101	34.19	127	17.889	255	54.24	203
Dez. 6.1	10.699	64	32.71	148	17.687	202	51.77	247
16.1	10.676	23	31.03	168	17.543	144	48.92	285
26.0	10.694	18	29.21	182	17.463	80	45.77	315
36.0	10.753	59	27.30	191	17.449	14	42.43	334
Mittl. Ort	9.310		13.31		18.055		26.24	
sec δ, tg δ	1.020		+0.203		1.670		+1.338	

Mittlere Zeit Greenw.	729) τ Draconis				728) α Sagittarii				730) δ Aquilae				732) β Cygni			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$19^h 16^m$		+73° 12′		$19^h 18^m$		−40° 45′		$19^h 21^m$		+2° 57′		$19^h 27^m$		+27° 47′	
Jan. 1.0	59.68	8	52.54	346	27.487	121	44.20	127	32.897	84	37.70	140	33.366	55	52.04	262
11.0	59.60	7	49.08	351	27.608	169	42.93	128	32.981	119	36.30	139	33.421	96	49.42	262
21.0	59.67	22	45.57	341	27.777	213	41.65	125	33.100	153	34.91	130	33.517	136	46.80	252
30.9	59.89	34	42.16	319	27.990	251	40.40	122	33.253	181	33.61	115	33.653	173	44.28	231
Feb. 9.9	60.23	48	38.97	286	28.241	283	39.18	117	33.434	207	32.46	94	33.826	205	41.97	202
19.9	60.71	57	36.11	240	28.524	311	38.01	110	33.641	229	31.52	69	34.031	234	39.95	164
März 1.9	61.28	67	33.71	186	28.835	333	36.91	102	33.870	248	30.83	40	34.265	258	38.31	120
11.8	61.95	74	31.85	126	29.168	351	35.89	93	34.118	263	30.43	7	34.523	278	37.11	69
21.8	62.69	77	30.59	61	29.519	364	34.96	82	34.381	274	30.36	25	34.801	293	36.42	18
31.8	63.46	79	29.98	4	29.883	373	34.14	71	34.655	282	30.61	58	35.094	302	36.24	35
Apr. 10.7	64.25	78	30.02	70	30.256	375	33.43	57	34.937	286	31.19	89	35.396	305	36.59	86
20.7	65.03	74	30.72	131	30.631	373	32.86	41	35.223	284	32.08	115	35.701	303	37.45	134
30.7	65.77	69	32.03	186	31.004	364	32.45	23	35.507	276	33.23	138	36.004	294	38.79	175
Mai 10.7	66.46	61	33.89	236	31.368	348	32.22	5	35.783	265	34.61	156	36.298	278	40.54	211
20.6	67.07	52	36.25	277	31.716	324	32.17	14	36.048	247	36.17	167	36.576	255	42.65	240
30.6	67.59	41	39.02	308	32.040	294	32.31	35	36.295	222	37.84	175	36.831	227	45.05	261
Juni 9.6	68.00	29	42.10	332	32.334	256	32.66	54	36.517	193	39.59	175	37.058	193	47.66	274
19.6	68.29	17	45.42	346	32.590	211	33.20	73	36.710	159	41.34	171	37.251	153	50.40	279
29.5	68.46	3	48.88	350	32.801	161	33.93	88	36.869	120	43.05	164	37.404	109	53.19	278
Juli 9.5	68.49	9	52.38	346	32.962	107	34.81	102	36.989	78	44.69	151	37.513	64	55.97	269
19.5	68.40	23	55.84	334	33.069	50	35.83	112	37.067	34	46.20	137	37.577	16	58.66	255
29.4	68.17	34	59.18	314	33.119	8	36.95	116	37.101	9	47.57	119	37.593	31	61.21	234
Aug. 8.4	67.83	46	62.32	288	33.111	63	38.11	117	37.092	51	48.76	101	37.562	77	63.55	210
18.4	67.37	56	65.20	255	33.048	115	39.28	113	37.041	89	49.77	80	37.485	118	65.65	180
28.4	66.81	65	67.75	216	32.933	160	40.41	102	36.952	124	50.57	60	37.367	154	67.45	149
Sept. 7.3	66.16	72	69.91	173	32.773	197	41.43	87	36.828	151	51.17	40	37.213	183	68.94	113
17.3	65.44	77	71.64	125	32.576	222	42.30	69	36.677	169	51.57	19	37.030	205	70.07	76
27.3	64.67	81	72.89	75	32.354	237	42.99	46	36.508	181	51.76	0	36.825	217	70.83	37
Okt. 7.3	63.86	82	73.64	22	32.117	238	43.45	22	36.327	180	51.76	21	36.608	219	71.20	3
17.2	63.04	81	73.86	34	31.879	226	43.67	4	36.147	172	51.55	41	36.389	213	71.17	43
27.2	62.23	77	73.52	88	31.653	202	43.63	29	35.975	154	51.14	60	36.176	195	70.74	84
Nov. 6.2	61.46	72	72.64	144	31.451	167	43.34	53	35.821	128	50.54	78	35.981	171	69.90	124
16.1	60.74	64	71.20	195	31.284	124	42.81	75	35.693	97	49.76	96	35.810	139	68.66	160
26.1	60.10	55	69.25	242	31.160	73	42.06	91	35.596	60	48.80	113	35.671	102	67.06	194
Dez. 6.1	59.55	44	66.83	285	31.087	20	41.15	107	35.536	20	47.67	126	35.569	61	65.12	222
16.1	59.11	30	63.98	317	31.067	36	40.08	116	35.516	20	46.41	136	35.508	17	62.90	245
26.0	58.81	17	60.81	341	31.103	89	38.92	122	35.536	59	45.05	143	35.491	27	60.45	261
36.0	58.64		57.40		31.192		37.70		35.595		43.62		35.518		57.84	
Mittl. Ort	63.73		40.01		29.054		50.38		33.945		29.36		34.519		41.73	
sec δ, tg δ	3.462		+3.314		1.320		−0.862		1.001		+0.052		1.130		+0.527	

Mittlere Zeit Greenw.	733) ι Cygni				736) *h* Sagittarii				738) ϑ Cygni				742) δ Cygni			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	19ʰ 27ᵐ		+51° 33′		19ʰ 31ᵐ		−25° 3′		19ʰ 34ᵐ		+50° 2′		19ʰ 42ᵐ		+44° 56′	
	s		″		s		″		s		″		s		″	
Jan. 1.0	42.697	13	58.72	330	56.497	93	18.95	33	19.375	8	35.45	325	30.845	10	35.00	311
11.0	42.710	78	55.42	334	56.590	131	18.62	36	19.383	69	32.20	329	30.855	64	31.89	317
21.0	42.788	138	52.08	325	56.721	168	18.26	40	19.452	127	28.91	322	30.919	116	28.72	310
31.0	42.926	196	48.83	303	56.889	200	17.86	45	19.579	184	25.69	302	31.035	166	25.62	291
Feb. 9.9	43.122	249	45.80	271	57.089	228	17.41	50	19.763	235	22.67	269	31.201	213	22.71	262
19.9	43.371	295	43.09	226	57.317	252	16.91	56	19.998	282	19.98	228	31.414	254	20.09	221
März 1.9	43.666	336	40.83	174	57.569	273	16.35	63	20.280	320	17.70	176	31.668	290	17.88	173
11.8	44.002	365	39.09	116	57.842	289	15.72	69	20.600	351	15.94	119	31.958	319	16.15	117
21.8	44.367	387	37.93	52	58.131	304	15.03	75	20.951	373	14.75	57	32.277	342	14.98	57
31.8	44.754	399	37.41	11	58.435	313	14.28	80	21.324	387	14.18	6	32.619	356	14.41	3
Apr. 10.8	45.153	401	37.52	73	58.748	318	13.48	81	21.711	391	14.24	69	32.975	363	14.44	65
20.7	45.554	392	38.25	133	59.066	319	12.67	81	22.102	385	14.93	127	33.338	359	15.09	121
30.7	45.946	375	39.58	187	59.385	315	11.86	78	22.487	370	16.20	182	33.697	349	16.30	174
Mai 10.7	46.321	346	41.45	234	59.700	303	11.08	71	22.857	344	18.02	228	34.046	328	18.04	221
20.7	46.667	310	43.79	273	60.003	286	10.37	62	23.201	310	20.30	269	34.374	300	20.25	259
30.6	46.977	265	46.52	304	60.289	262	9.75	50	23.511	269	22.99	300	34.674	265	22.84	290
Juni 9.6	47.242	214	49.56	325	60.551	231	9.25	37	23.780	219	25.99	322	34.939	221	25.74	312
19.6	47.456	156	52.81	338	60.782	195	8.88	22	23.999	165	29.21	335	35.160	172	28.86	325
29.6	47.612	95	56.19	342	60.977	153	8.66	8	24.164	106	32.56	340	35.332	119	32.11	330
Juli 9.5	47.707	32	59.61	336	61.130	108	8.58	8	24.270	44	35.96	336	35.451	64	35.41	327
19.5	47.739	31	62.97	324	61.238	59	8.66	21	24.314	17	39.32	324	35.515	6	38.68	316
29.5	47.708	95	66.21	304	61.297	10	8.87	33	24.297	79	42.56	305	35.521	51	41.84	297
Aug. 8.4	47.613	153	69.25	277	61.307	37	9.20	41	24.218	138	45.61	280	35.470	106	44.81	273
18.4	47.460	207	72.02	245	61.270	82	9.61	48	24.080	190	48.41	248	35.364	155	47.54	242
28.4	47.253	255	74.47	206	61.188	122	10.09	51	23.890	237	50.89	211	35.209	200	49.96	208
Sept. 7.4	46.998	293	76.53	165	61.066	154	10.60	50	23.653	276	53.00	169	35.009	237	52.04	168
17.3	46.705	321	78.18	119	60.912	178	11.10	46	23.377	304	54.69	125	34.772	265	53.72	124
27.3	46.384	339	79.37	69	60.734	192	11.56	40	23.073	323	55.94	76	34.507	283	54.96	78
Okt. 7.3	46.045	344	80.06	19	60.542	194	11.96	32	22.750	329	56.70	26	34.224	290	55.74	30
17.3	45.701	337	80.25	34	60.348	186	12.28	22	22.421	325	56.96	26	33.934	286	56.04	20
27.2	45.364	319	79.91	87	60.162	168	12.50	12	22.096	308	56.70	78	33.648	272	55.84	71
Nov. 6.2	45.045	290	79.04	139	59.994	141	12.62	3	21.788	280	55.92	131	33.376	249	55.13	121
16.2	44.755	251	77.65	188	59.853	106	12.65	6	21.508	245	54.61	179	33.127	216	53.92	168
26.1	44.504	204	75.77	233	59.747	66	12.59	13	21.263	199	52.82	225	32.911	175	52.24	212
Dez. 6.1	44.300	148	73.44	273	59.681	22	12.46	19	21.064	147	50.57	265	32.736	129	50.12	251
16.1	44.152	89	70.71	303	59.659	22	12.27	24	20.917	90	47.92	296	32.607	78	47.61	283
26.1	44.063	27	67.68	326	59.681	67	12.03	28	20.827	32	44.96	319	32.529	25	44.78	305
36.0	44.036		64.42		59.748		11.75		20.795		41.77		32.504		41.73	
Mittl. Ort	44.394		46.63		57.736		25.13		20.976		23.08		32.244		22.61	
sec δ, tg δ	1.609		+1.260		1.104		—0.467		1.557		+1.193		1.412		+0.998	

Mittlere Zeit Greenw.	741) γ Aquilae AR.		741) γ Aquilae Dekl.		743) δ Sagittae AR.		743) δ Sagittae Dekl.		745) α Aquilae*) AR.		745) α Aquilae*) Dekl.		747) ε Draconis AR.		747) ε Draconis Dekl.	
1922	$19^h\,42^m$		$+10^\circ\,25'$		$19^h\,43^m$		$+18^\circ\,20'$		$19^h\,46^m$		$+8^\circ\,39'$		$19^h\,48^m$		$+70^\circ\,3'$	
	s		"		s		"		s		"		s		"	
Jan. 1.0	32.068	57	28.93	176	53.545	48	37.09	215	57.646	58	49.44	163	23.69	14	83.94	334
11.0	32.125	94	27.17	175	53.593	86	34.94	215	57.704	94	47.81	163	23.55	1	80.60	347
21.0	32.219	127	25.42	167	53.679	122	32.79	207	57.798	127	46.18	154	23.54	—11	77.13	345
31.0	32.346	159	23.75	151	53.801	156	30.72	191	57.925	159	44.64	139	23.65	23	73.68	332
Feb. 9.9	32.505	187	22.24	128	53.957	186	28.81	165	58.084	187	43.25	117	23.88	33	70.36	304
19.9	32.692	212	20.96	100	54.143	213	27.16	133	58.271	212	42.08	90	24.21	44	67.32	266
März 1.9	32.904	235	19.96	66	54.356	238	25.83	95	58.483	234	41.18	57	24.65	52	64.66	217
11.9	33.139	254	19.30	29	54.594	257	24.88	52	58.717	253	40.61	20	25.17	59	62.49	161
21.8	33.393	268	19.01	—10	54.851	274	24.36	6	58.970	268	40.41	—17	25.76	64	60.88	99
31.8	33.661	280	19.11	50	55.125	285	24.30	—38	59.238	280	40.58	54	26.40	67	59.89	33
Apr. 10.8	33.941	286	19.61	87	55.410	292	24.68	83	59.518	286	41.12	90	27.07	68	59.56	—32
20.7	34.227	288	20.48	121	55.702	294	25.51	123	59.804	288	42.02	122	27.75	67	59.88	95
30.7	34.515	284	21.69	150	55.996	288	26.74	160	60.092	285	43.24	151	28.42	63	60.83	154
Mai 10.7	34.799	273	23.19	175	56.284	277	28.34	190	60.377	275	44.75	173	29.05	59	62.37	207
20.7	35.072	257	24.94	193	56.561	260	30.24	214	60.652	259	46.48	191	29.64	52	64.44	254
30.6	35.329	235	26.87	206	56.821	236	32.38	232	60.911	237	48.39	201	30.16	43	66.98	292
Juni 9.6	35.564	206	28.93	211	57.057	205	34.70	242	61.148	209	50.40	207	30.59	35	69.90	321
19.6	35.770	172	31.04	212	57.262	171	37.12	245	61.357	175	52.47	205	30.94	24	73.11	341
29.6	35.942	134	33.16	205	57.433	131	39.57	243	61.532	137	54.52	199	31.18	13	76.52	353
Juli 9.5	36.076	91	35.21	196	57.564	87	42.00	233	61.669	96	56.51	188	31.31	3	80.05	355
19.5	36.167	48	37.17	181	57.651	43	44.33	220	61.765	52	58.39	173	31.34	—9	83.60	350
29.5	36.215	4	38.98	163	57.694	—3	46.53	201	61.817	7	60.12	156	31.25	20	87.10	336
Aug. 8.4	36.219	—40	40.61	142	57.691	47	48.54	179	61.824	—36	61.68	134	31.05	30	90.46	314
18.4	36.179	80	42.03	119	57.644	88	50.33	154	61.788	76	63.02	112	30.75	39	93.60	287
28.4	36.099	116	43.22	95	57.556	124	51.87	126	61.712	112	64.14	89	30.36	48	96.47	252
Sept. 7.4	35.983	145	44.17	69	57.432	155	53.13	96	61.600	141	65.03	64	29.88	55	98.99	213
17.3	35.838	168	44.86	43	57.277	177	54.09	65	61.459	164	65.67	39	29.33	60	101.12	168
27.3	35.670	180	45.29	17	57.100	191	54.74	32	61.295	177	66.06	14	28.73	65	102.80	119
Okt. 7.3	35.490	185	45.46	—10	56.909	195	55.06	—1	61.118	181	66.20	—11	28.08	66	103.99	67
17.3	35.305	179	45.36	36	56.714	191	55.05	33	60.937	177	66.09	36	27.42	67	104.66	12
27.2	35.126	166	45.00	62	56.523	177	54.72	67	60.760	163	65.73	60	26.75	66	104.78	—43
Nov. 6.2	34.960	143	44.38	88	56.346	155	54.05	99	60.597	140	65.13	83	26.09	62	104.35	101
16.2	34.817	115	43.50	111	56.191	127	53.06	129	60.457	113	64.30	106	25.47	57	103.34	156
26.1	34.702	82	42.39	133	56.064	94	51.77	158	60.344	79	63.24	125	24.90	50	101.78	207
Dez. 6.1	34.620	44	41.06	152	55.970	56	50.19	181	60.265	43	61.99	143	24.40	41	99.71	255
16.1	34.576	6	39.54	167	55.914	17	48.38	201	60.222	5	60.56	155	23.99	31	97.16	294
26.1	34.570	—33	37.87	175	55.897	—23	46.37	213	60.217	—34	59.01	165	23.68	21	94.22	323
36.0	34.603		36.12		55.920		44.24		60.251		57.36		23.47		90.99	
Mittl. Ort	33.082		19.92		54.579		27.26		58.652		40.73		26.71		69.29	
sec δ, tg δ	1.017		+0.184		1.053		+0.332		1.012		+0.152		2.934		+2.758	

*) Die jährliche Parallaxe (0".23) ist bereits berücksichtigt

Mittlere Zeit Greenw.	749) β Aquilae				748) ε Pavonis				750) ψ Cygni				751) ϑ¹ Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	19ʰ 51ᵐ		+6° 12′		19ʰ 51ᵐ		−73° 6′		19ʰ 53ᵐ		+52° 13′		19ʰ 54ᵐ		−35° 28′	
	s		″		s		″		s		″		s		″	
Jan. 1.0	27.915	52	47.94	151	30.95	8	63.29	297	35.252	27	66.25	321	38.276	71	74.27	100
11.0	27.967	87	46.43	151	31.03	22	60.32	302	35.225	36	63.04	331	38.347	116	73.27	108
21.0	28.054	121	44.92	143	31.25	35	57.30	299	35.261	99	59.73	326	38.463	157	72.19	113
31.0	28.175	153	43.49	129	31.60	47	54.31	288	35.360	159	56.47	312	38.620	195	71.06	115
Feb. 9.9	28.328	180	42.20	109	32.07	57	51.43	271	35.519	215	53.35	283	38.815	228	69.91	118
19.9	28.508	206	41.11	82	32.64	66	48.72	249	35.734	267	50.52	245	39.043	257	68.73	118
März 1.9	28.714	228	40.29	51	33.30	74	46.23	220	36.001	313	48.07	197	39.300	283	67.55	118
11.9	28.942	248	39.78	18	34.04	80	44.03	187	36.314	350	46.10	141	39.583	306	66.37	115
21.8	29.190	264	39.60	18	34.84	85	42.16	152	36.664	378	44.69	81	39.889	325	65.22	113
31.8	29.454	277	39.78	53	35.69	88	40.64	114	37.042	399	43.88	17	40.214	339	64.09	105
Apr. 10.8	29.731	285	40.31	86	36.57	90	39.50	73	37.441	407	43.71	45	40.553	349	63.04	98
20.8	30.016	288	41.17	117	37.47	90	38.77	31	37.848	406	44.16	106	40.902	353	62.06	87
30.7	30.304	286	42.34	144	38.37	88	38.46	12	38.254	394	45.22	163	41.255	352	61.19	73
Mai 10.7	30.590	277	43.78	164	39.25	85	38.58	55	38.648	372	46.85	212	41.607	343	60.46	57
20.7	30.867	262	45.42	181	40.10	79	39.13	96	39.020	340	48.97	256	41.950	328	59.89	38
30.6	31.129	242	47.23	189	40.89	72	40.09	136	39.360	299	51.53	291	42.278	304	59.51	19
Juni 9.6	31.371	214	49.12	194	41.61	63	41.45	171	39.659	250	54.44	317	42.582	273	59.32	3
19.6	31.585	182	51.06	192	42.24	52	43.16	202	39.909	194	57.61	334	42.855	235	59.35	23
29.6	31.767	144	52.98	186	42.76	41	45.18	229	40.103	134	60.95	343	43.090	191	59.58	44
Juli 9.5	31.911	103	54.84	175	43.17	27	47.47	247	40.237	71	64.38	343	43.281	141	60.02	62
19.5	32.014	59	56.59	160	43.44	14	49.94	259	40.308	5	67.81	335	43.422	89	60.64	78
29.5	32.073	15	58.19	143	43.58	1	52.53	263	40.313	59	71.16	319	43.511	34	61.42	91
Aug. 8.4	32.088	28	59.62	123	43.57	14	55.16	256	40.254	121	74.35	297	43.545	19	62.33	98
18.4	32.060	70	60.85	101	43.43	28	57.72	243	40.133	179	77.32	268	43.526	72	63.31	103
28.4	31.990	105	61.86	79	43.15	40	60.15	218	39.954	230	80.00	234	43.454	117	64.34	101
Sept. 7.4	31.885	137	62.65	56	42.75	51	62.33	186	39.724	274	82.34	194	43.337	158	65.35	94
17.3	31.748	159	63.21	33	42.24	60	64.19	146	39.450	306	84.28	150	43.179	187	66.29	84
27.3	31.589	174	63.54	10	41.64	64	65.65	101	39.144	331	85.78	103	42.992	207	67.13	69
Okt. 7.3	31.415	179	63.64	13	41.00	68	66.66	49	38.813	342	86.81	52	42.785	216	67.82	50
17.3	31.236	175	63.51	35	40.32	68	67.15	4	38.471	341	87.33	0	42.569	213	68.32	30
27.2	31.061	163	63.16	57	39.64	65	67.11	59	38.130	330	87.33	53	42.356	197	68.62	8
Nov. 6.2	30.898	142	62.59	79	38.99	59	66.52	111	37.800	308	86.80	107	42.159	172	68.70	13
16.2	30.756	115	61.80	98	38.40	50	65.41	160	37.492	274	85.73	158	41.987	137	68.57	34
26.1	30.641	82	60.82	117	37.90	39	63.81	203	37.218	232	84.15	206	41.850	97	68.23	52
Dez. 6.1	30.559	47	59.65	133	37.51	27	61.78	239	36.986	182	82.09	249	41.753	52	67.71	69
16.1	30.512	10	58.32	144	37.24	14	59.39	267	36.804	127	79.60	285	41.701	4	67.02	82
26.1	30.502	29	56.88	153	37.10	0	56.72	287	36.677	66	76.75	312	41.697	43	66.20	93
36.0	30.531		55.35		37.10		53.85		36.611		73.63		41.740		65.27	
Mittl. Ort	28.908		39.39		35.73		66.02		36.819		52.63		39.710		78.47	
sec δ, tg δ	1.006		+0.109		3.444		−3.295		1.633		+1.291		1.228		−0.713	

Mittlere Zeit Greenw.	752) γ Sagittae AR.	Δ	752) γ Sagittae Dekl.	Δ	754) δ Pavonis AR.	Δ	754) δ Pavonis Dekl.	Δ	756) θ Aquilae AR.	Δ	756) θ Aquilae Dekl.	Δ	757) o¹ Cygni sq. AR.	Δ	757) o¹ Cygni sq. Dekl.	Δ
1922	19ʰ 55ᵐ		+19° 16′		20ʰ 1ᵐ		−66° 22′		20ʰ 7ᵐ		−1° 2′		20ʰ 11ᵐ		+46° 30′	
Jan. 1.1	16ˢ.269	36	55″.83	215	1ˢ.93	6	55″.80	265	15ˢ.878	42	66″.36	106	9ˢ.249	31	28″.52	301
11.0	16.305	74	53.68	218	1.99	17	53.15	273	15.920	77	67.42	103	9.218	22	25.51	312
21.0	16.379	111	51.50	209	2.16	25	50.42	274	15.997	110	68.45	96	9.240	76	22.39	312
31.0	16.490	144	49.41	194	2.41	34	47.68	268	16.107	141	69.41	83	9.316	129	19.27	300
Feb. 9.9	16.634	176	47.47	171	2.75	41	45.00	255	16.248	169	70.24	66	9.445	179	16.27	275
19.9	16.810	204	45.76	138	3.16	48	42.45	238	16.417	196	70.90	44	9.624	227	13.52	240
März 1.9	17.014	231	44.38	101	3.64	53	40.07	215	16.613	219	71.34	18	9.851	268	11.12	196
11.9	17.245	252	43.37	58	4.17	59	37.92	189	16.832	240	71.52	9	10.119	305	9.16	144
21.8	17.497	270	42.79	13	4.76	62	36.03	158	17.072	259	71.43	38	10.424	333	7.72	86
31.8	17.767	284	42.66	33	5.38	65	34.45	126	17.331	273	71.05	67	10.757	356	6.86	26
Apr. 10.8	18.051	293	42.99	78	6.03	66	33.19	89	17.604	284	70.38	93	11.113	370	6.60	35
20.8	18.344	296	43.77	120	6.69	68	32.30	52	17.888	290	69.45	118	11.483	373	6.95	94
30.7	18.640	293	44.97	157	7.37	66	31.78	13	18.178	290	68.27	137	11.856	368	7.89	149
Mai 10.7	18.933	283	46.54	189	8.03	64	31.65	27	18.468	285	66.90	153	12.224	354	9.38	199
20.7	19.216	267	48.43	214	8.67	61	31.92	66	18.753	273	65.37	163	12.578	329	11.37	241
30.7	19.483	244	50.57	233	9.28	57	32.58	104	19.026	255	63.74	167	12.907	297	13.78	277
Juni 9.6	19.727	216	52.90	246	9.85	50	33.62	140	19.281	229	62.07	168	13.204	257	16.55	304
19.6	19.943	180	55.36	249	10.35	42	35.02	171	19.510	199	60.39	163	13.461	210	19.59	323
29.6	20.123	142	57.85	248	10.77	34	36.73	199	19.709	162	58.76	153	13.671	157	22.82	333
Juli 9.5	20.265	98	60.33	241	11.11	25	38.72	220	19.871	123	57.23	141	13.828	101	26.15	334
19.5	20.363	53	62.74	227	11.36	14	40.92	235	19.994	78	55.82	126	13.929	42	29.49	328
29.5	20.416	7	65.01	210	11.50	4	43.27	242	20.072	35	54.56	108	13.971	17	32.77	315
Aug. 8.5	20.423	37	67.11	188	11.54	6	45.69	241	20.107	10	53.48	90	13.954	74	35.92	295
18.4	20.386	80	68.99	163	11.48	17	48.10	231	20.097	52	52.58	70	13.880	128	38.87	268
28.4	20.306	117	70.62	134	11.31	26	50.41	213	20.045	91	51.88	51	13.752	177	41.55	236
Sept. 7.4	20.189	148	71.96	105	11.05	34	52.54	187	19.954	122	51.37	33	13.575	219	43.91	199
17.4	20.041	173	73.01	74	10.71	40	54.41	152	19.832	148	51.04	14	13.356	251	45.90	158
27.3	19.868	188	73.75	41	10.31	44	55.93	112	19.684	164	50.90	2	13.105	276	47.48	113
Okt. 7.3	19.680	195	74.16	7	9.87	47	57.05	66	19.520	173	50.92	19	12.829	289	48.61	65
17.3	19.485	191	74.23	26	9.40	48	57.71	18	19.347	170	51.11	34	12.540	293	49.26	15
27.2	19.294	181	73.97	60	8.92	45	57.89	32	19.177	161	51.45	48	12.247	284	49.41	35
Nov. 6.2	19.113	160	73.37	93	8.47	41	57.57	82	19.016	142	51.93	62	11.963	267	49.06	87
16.2	18.953	134	72.44	124	8.06	35	56.75	127	18.874	117	52.55	76	11.696	240	48.19	137
26.2	18.819	102	71.20	154	7.71	28	55.48	169	18.757	86	53.31	86	11.456	205	46.82	184
Dez. 6.1	18.717	66	69.66	178	7.43	18	53.79	204	18.671	53	54.17	96	11.251	164	44.98	227
16.1	18.651	28	67.88	199	7.25	9	51.75	233	18.618	17	55.13	104	11.087	116	42.71	263
26.1	18.623	11	65.89	213	7.16	0	49.42	254	18.601	20	56.17	108	10.971	65	40.08	291
36.1	18.634		63.76		7.16		46.88		18.621		57.25		10.906		37.17	
Mittl. Ort	17.275		45.71		5.31		57.78		16.856		73.85		10.526		14.64	
sec δ, tg δ	1.059		+0.350		2.496		−2.287		1.000		−0.018		1.453		+1.054	

Mittlere Zeit Greenw.	759) κ Cephei				760) 24 Vulpeculae				761) α² Capricorni				765) γ Cygni			
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1922	20h 11m		+77° 28′		20h 13m		+24° 25′		20h 13m		−12° 46′		20h 19m		+40° 0′	
Jan. 1.1	28.20	37	54.46	316	25.848	12	58.86	230	42.658	43	69.53	35	24.603	23	36.07	281
11.0	27.83	17	51.30	336	25.860	50	56.56	236	42.701	78	69.88	30	24.580	—24	33.26	292
21.0	27.66	—1	47.94	342	25.910	89	54.20	231	42.779	112	70.18	22	24.604	70	30.34	291
31.0	27.67	21	44.52	336	25.999	125	51.89	218	42.891	143	70.40	12	24.674	117	27.43	280
Feb. 10.0	27.88	39	41.16	317	26.124	159	49.71	194	43.034	173	70.52	—2	24.791	161	24.63	257
19.9	28.27	57	37.99	286	26.283	191	47.77	164	43.207	199	70.50	18	24.952	203	22.06	224
März 1.9	28.84	71	35.13	243	26.474	221	46.13	125	43.406	223	70.32	36	25.155	241	19.82	182
11.9	29.55	84	32.70	192	26.695	247	44.88	81	43.629	244	69.96	53	25.396	274	18.00	133
21.8	30.39	94	30.78	134	26.942	268	44.07	33	43.873	264	69.43	73	25.670	302	16.67	78
31.8	31.33	100	29.44	72	27.210	286	43.74	—15	44.137	280	68.70	89	25.972	324	15.89	21
Apr. 10.8	32.33	103	28.72	7	27.496	298	43.89	64	44.417	292	67.81	105	26.296	337	15.68	—37
20.8	33.36	102	28.65	—56	27.794	304	44.53	110	44.709	299	66.76	117	26.633	345	16.05	94
30.7	34.38	99	29.21	117	28.098	304	45.63	152	45.008	301	65.59	126	26.978	343	16.99	145
Mai 10.7	35.37	92	30.38	173	28.402	296	47.15	189	45.309	297	64.33	130	27.321	332	18.44	192
20.7	36.29	82	32.11	223	28.698	281	49.04	219	45.606	286	63.03	130	27.653	314	20.36	234
30.7	37.11	70	34.34	266	28.979	260	51.23	243	45.892	269	61.73	125	27.967	287	22.70	266
Juni 9.6	37.81	58	37.00	300	29.239	231	53.66	259	46.161	245	60.48	118	28.254	252	25.36	292
19.6	38.39	41	40.00	327	29.470	197	56.25	268	46.406	214	59.30	107	28.506	212	28.28	309
29.6	38.80	25	43.27	344	29.667	157	58.93	270	46.620	177	58.23	92	28.718	164	31.37	318
Juli 9.5	39.05	8	46.71	353	29.824	114	61.63	266	46.797	137	57.31	76	28.882	114	34.55	319
19.5	39.13	—9	50.24	354	29.938	67	64.29	255	46.934	92	56.55	60	28.996	61	37.74	313
29.5	39.04	26	53.78	347	30.005	20	66.84	238	47.026	47	55.95	42	29.057	6	40.87	299
Aug. 8.5	38.78	42	57.25	332	30.025	—26	69.22	218	47.073	0	55.53	26	29.063	—46	43.86	280
18.4	38.36	57	60.57	310	29.999	71	71.40	193	47.073	43	55.27	10	29.017	96	46.66	255
28.4	37.79	70	63.67	281	29.928	110	73.33	164	47.030	83	55.17	—4	28.921	143	49.21	223
Sept. 7.4	37.09	83	66.48	246	29.818	144	74.97	133	46.947	118	55.21	16	28.778	181	51.44	189
17.4	36.26	92	68.94	206	29.674	172	76.30	100	46.829	146	55.37	24	28.597	213	53.33	149
27.3	35.34	100	71.00	161	29.502	190	77.30	64	46.683	164	55.61	32	28.384	236	54.82	108
Okt. 7.3	34.34	105	72.61	110	29.312	200	77.94	28	46.519	173	55.93	37	28.148	249	55.90	63
17.3	33.29	107	73.71	57	29.112	200	78.22	—10	46.346	172	56.30	41	27.899	253	56.53	15
27.2	32.22	108	74.28	2	28.912	192	78.12	47	46.174	163	56.71	42	27.646	246	56.68	—32
Nov. 6.2	31.14	104	74.30	—56	28.720	175	77.65	85	46.011	145	57.13	43	27.400	231	56.36	79
16.2	30.10	98	73.74	112	28.545	152	76.80	120	45.866	119	57.56	45	27.169	207	55.57	127
26.2	29.12	90	72.62	168	28.393	123	75.60	154	45.747	89	58.01	44	26.962	177	54.30	171
Dez. 6.1	28.22	77	70.94	219	28.270	89	74.06	183	45.658	54	58.45	45	26.785	139	52.59	211
16.1	27.45	64	68.75	264	28.181	52	72.23	208	45.604	17	58.90	43	26.646	98	50.48	245
26.1	26.81	48	66.11	300	28.129	13	70.15	226	45.587	—20	59.33	40	26.548	53	48.03	271
36.1	26.33		63.11		28.116		67.89		45.607		59.73		26.495		45.32	
Mittl. Ort	32.59		37.84		26.818		47.78		43.705		75.27		25.704		22.67	
sec δ, tg δ	4.612		+4.502		1.098		+0.454		1.025		—0.227		1.305		+0.839	

Mittlere Zeit Greenw.	764) α Pavonis AR.		764) α Pavonis Dekl.		767) θ Cephei AR.		767) θ Cephei Dekl.		768) ε Delphini AR.		768) ε Delphini Dekl.		769) α Indi AR.		769) α Indi Dekl.	
1922	20h 19m		−56° 58′		20h 28m		+62° 43′		20h 29m		+11° 2′		20h 32m		−47° 33′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	26.840	32	69.67	221	14.75	15	70.12	311	28.311	12	23.10	164	3.369	20	52.25	170
11.0	26.872	99	67.46	234	14.60	6	67.01	330	28.323	46	21.46	165	3.389	74	50.55	185
21.0	26.971	164	65.12	240	14.54	—3	63.71	338	28.369	81	19.81	160	3.463	124	48.70	195
31.0	27.135	225	62.72	241	14.57	11	60.33	333	28.450	113	18.21	148	3.587	172	46.75	200
Feb. 10.0	27.360	280	60.31	237	14.68	19	57.00	315	28.563	144	16.73	129	3.759	216	44.75	202
19.9	27.640	331	57.94	228	14.87	27	53.85	284	28.707	173	15.44	102	3.975	257	42.73	200
März 1.9	27.971	374	55.66	213	15.14	34	51.01	243	28.880	201	14.42	72	4.232	294	40.73	194
11.9	28.345	414	53.53	196	15.48	41	48.58	192	29.081	226	13.70	36	4.526	328	38.79	186
21.8	28.759	446	51.57	175	15.89	45	46.66	134	29.307	248	13.34	—1	4.854	356	36.93	173
31.8	29.205	472	49.82	151	16.34	50	45.32	73	29.555	266	13.35	41	5.210	381	35.20	158
Apr. 10.8	29.677	491	48.31	122	16.84	51	44.59	8	29.821	281	13.76	78	5.591	400	33.62	139
20.8	30.168	502	47.09	93	17.35	53	44.51	—55	30.102	290	14.54	113	5.991	413	32.23	116
30.7	30.670	503	46.16	59	17.88	52	45.06	116	30.392	294	15.67	145	6.404	418	31.07	92
Mai 10.7	31.173	495	45.57	25	18.40	49	46.22	173	30.686	291	17.12	172	6.822	415	30.15	63
20.7	31.668	476	45.32	—11	18.89	46	47.95	223	30.977	281	18.84	193	7.237	403	29.52	34
30.7	32.144	445	45.43	46	19.35	42	50.18	267	31.258	263	20.77	207	7.640	382	29.18	3
Juni 9.6	32.589	405	45.89	81	19.77	35	52.85	302	31.521	241	22.84	217	8.022	351	29.15	—28
19.6	32.994	354	46.70	112	20.12	29	55.87	328	31.762	211	25.01	220	8.373	312	29.43	58
29.6	33.348	292	47.82	143	20.41	21	59.15	347	31.973	175	27.21	216	8.685	263	30.01	88
Juli 9.5	33.640	224	49.25	167	20.62	12	62.62	357	32.148	135	29.37	208	8.948	209	30.89	113
19.5	33.864	149	50.92	186	20.74	5	66.19	357	32.283	92	31.45	196	9.157	148	32.02	135
29.5	34.013	71	52.78	200	20.79	—4	69.76	350	32.375	47	33.41	179	9.305	83	33.37	153
Aug. 8.5	34.084	—8	54.78	205	20.75	12	73.26	336	32.422	3	35.20	159	9.388	19	34.90	163
18.4	34.076	86	56.83	204	20.63	20	76.62	313	32.425	—41	36.79	137	9.407	—46	36.53	169
28.4	33.990	157	58.87	195	20.43	27	79.75	285	32.384	80	38.16	113	9.361	105	38.22	166
Sept. 7.4	33.833	220	60.82	177	20.16	34	82.60	250	32.304	114	39.29	88	9.256	158	39.88	157
17.4	33.613	272	62.59	153	19.82	38	85.10	209	32.190	141	40.17	61	9.098	203	41.45	141
27.3	33.341	310	64.12	121	19.44	42	87.19	164	32.049	162	40.78	35	8.895	235	42.86	119
Okt. 7.3	33.031	332	65.33	85	19.02	46	88.83	115	31.887	173	41.13	9	8.660	255	44.05	92
17.3	32.699	338	66.18	44	18.56	46	89.98	62	31.714	175	41.22	—17	8.405	261	44.97	60
27.2	32.361	327	66.62	1	18.10	47	90.60	6	31.539	169	41.05	44	8.144	255	45.57	25
Nov. 6.2	32.034	299	66.63	—42	17.63	45	90.66	—51	31.370	154	40.61	68	7.889	235	45.82	—10
16.2	31.735	260	66.21	84	17.18	42	90.15	107	31.216	134	39.93	93	7.654	204	45.72	44
26.2	31.475	207	65.37	122	16.76	38	89.08	162	31.082	108	39.00	116	7.450	164	45.28	78
Dez. 6.1	31.268	146	64.15	156	16.38	33	87.46	214	30.974	78	37.84	134	7.286	117	44.50	108
16.1	31.122	79	62.59	185	16.05	27	85.32	258	30.896	44	36.50	151	7.169	66	43.42	135
26.1	31.043	11	60.74	208	15.78	19	82.74	294	30.852	10	34.99	162	7.103	12	42.07	156
36.1	31.032		58.66		15.59		79.80		30.842		33.37		7.091		40.51	
Mittl. Ort	29.216		70.45		16.54		53.65		29.195		13.99		5.178		52.75	
sec δ, tg δ	1.835		−1.539		2.183		+1.940		1.019		+0.195		1.482		−1.094	

Mittlere Zeit Greenw.	770) 73 Draconis AR.		Dekl.		771) β Delphini AR.		Dekl.		773) υ Capricorni AR.		Dekl.		774) α Delphini AR.		Dekl.	
1922	20h 32m		+74° 41′		20h 33m		+14° 19′		20h 35m		−18° 24′		20h 36m		+15° 38′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	30.13	34	32.88	304	52.611	5	32.10	178	35.640	22	47.33	1	0.048	2	19.39	183
11.1	29.79	20	29.84	328	52.616	39	30.32	181	35.662	59	47.32	9	0.050	36	17.56	187
21.0	29.59	5	26.56	341	52.655	74	28.51	177	35.721	93	47.23	18	0.086	71	15.69	183
31.0	29.54	11	23.15	339	52.729	108	26.74	165	35.814	125	47.05	30	0.157	104	13.86	172
Feb. 10.0	29.65	27	19.76	325	52.837	139	25.09	146	35.939	156	46.75	43	0.261	137	12.14	152
19.9	29.92	40	16.51	299	52.976	169	23.63	119	36.095	185	46.32	56	0.398	168	10.62	126
März 1.9	30.32	54	13.52	260	53.145	199	22.44	87	36.280	212	45.76	70	0.566	197	9.36	93
11.9	30.86	65	10.92	212	53.344	224	21.57	50	36.492	236	45.06	85	0.763	223	8.43	55
21.9	31.51	75	8.80	156	53.568	247	21.07	10	36.728	259	44.21	99	0.986	247	7.88	15
31.8	32.26	81	7.24	95	53.815	267	20.97	31	36.987	278	43.22	111	1.233	267	7.73	27
Apr. 10.8	33.07	84	6.29	32	54.082	283	21.28	72	37.265	294	42.11	121	1.500	283	8.00	69
20.8	33.91	86	5.97	33	54.365	292	22.00	110	37.559	305	40.90	127	1.783	293	8.69	108
30.8	34.77	85	6.30	94	54.657	296	23.10	144	37.864	311	39.63	131	2.076	297	9.77	144
Mai 10.7	35.62	80	7.24	153	54.953	294	24.54	174	38.175	310	38.32	129	2.373	295	11.21	174
20.7	36.42	74	8.77	205	55.247	284	26.28	198	38.485	303	37.03	124	2.668	286	12.95	200
30.7	37.16	65	10.82	251	55.531	267	28.26	216	38.788	288	35.79	116	2.954	268	14.95	219
Juni 9.6	37.81	54	13.33	289	55.798	243	30.42	227	39.076	266	34.63	103	3.222	246	17.14	231
19.6	38.35	43	16.22	320	56.041	214	32.69	232	39.342	237	33.60	87	3.468	215	19.45	237
29.6	38.78	30	19.42	342	56.255	178	35.01	231	39.579	202	32.73	70	3.683	180	21.82	237
Juli 9.6	39.08	15	22.84	355	56.433	138	37.32	225	39.781	161	32.03	51	3.863	139	24.19	231
19.5	39.23	3	26.39	359	56.571	95	39.57	213	39.942	118	31.52	32	4.002	96	26.50	220
29.5	39.26	12	29.98	357	56.666	49	41.70	196	40.060	70	31.20	13	4.098	50	28.70	204
Aug. 8.5	39.14	26	33.55	345	56.715	5	43.66	178	40.130	22	31.07	5	4.148	5	30.74	184
18.5	38.88	38	37.00	326	56.720	39	45.44	154	40.152	24	31.12	21	4.153	38	32.58	162
28.4	38.50	50	40.26	301	56.681	79	46.98	130	40.128	66	31.33	33	4.115	79	34.20	136
Sept. 7.4	38.00	61	43.27	269	56.602	114	48.28	103	40.062	105	31.66	43	4.036	113	35.56	110
17.4	37.39	69	45.96	231	56.488	142	49.31	76	39.957	135	32.09	49	3.923	142	36.66	81
27.3	36.70	77	48.27	187	56.346	162	50.07	47	39.822	158	32.58	53	3.781	163	37.47	53
Okt. 7.3	35.93	82	50.14	138	56.184	175	50.54	18	39.664	171	33.11	53	3.618	175	38.00	22
17.3	35.11	85	51.52	86	56.009	178	50.72	11	39.493	174	33.64	50	3.443	179	38.22	8
27.3	34.26	86	52.38	30	55.831	172	50.61	40	39.319	169	34.14	47	3.264	175	38.14	38
Nov. 6.2	33.40	85	52.68	27	55.659	159	50.21	68	39.150	154	34.61	41	3.089	161	37.76	68
16.2	32.55	81	52.41	86	55.500	140	49.53	96	38.996	131	35.02	35	2.928	142	37.08	95
26.2	31.74	74	51.55	143	55.360	114	48.57	120	38.865	104	35.37	28	2.786	117	36.13	123
Dez. 6.1	31.00	67	50.12	196	55.246	84	47.37	143	38.761	70	35.65	22	2.669	87	34.90	145
16.1	30.33	55	48.16	245	55.162	52	45.94	162	38.691	36	35.87	14	2.582	55	33.45	165
26.1	29.78	43	45.71	286	55.110	17	44.32	175	38.655	1	36.01	7	2.527	21	31.80	180
36.1	29.35		42.85		55.093		42.57		38.656		36.08		2.506		30.00	
Mittl. Ort	33.29		15.18		53.478		22.44		36.705		51.38		0.908		9.50	
sec δ, tg δ	3.787		+3.652		1.032		+0.255		1.054		−0.333		1.038		+0.280	

Mittlere Zeit Greenw.	775) β Pavonis AR.		775) β Pavonis Dekl.		777) α Cygni AR.		777) α Cygni Dekl.		780) ε Cygni AR.		780) ε Cygni Dekl.		781) ε Aquarii AR.		781) ε Aquarii Dekl.	
1922	20h 37m		−66° 28′		20h 38m		+44° 59′		20h 43m		+33° 40′		20h 43m		−9° 46′	
Jan. 1.1	53.53	3	67.14	263	45.273	60	78.08	281	2.383	33	51.55	248	26.347	13	50.64	49
11.0	53.50	6	64.51	280	45.213	10	75.27	297	2.350	8	49.07	260	26.360	47	51.13	43
21.0	53.56	15	61.71	289	45.203	40	72.30	303	2.358	49	46.47	263	26.407	79	51.56	34
31.0	53.71	24	58.82	292	45.243	91	69.27	295	2.407	90	43.84	254	26.486	111	51.90	21
Feb. 10.0	53.95	32	55.90	286	45.334	141	66.32	277	2.497	131	41.30	236	26.597	140	52.11	7
19.9	54.27	39	53.04	276	45.475	189	63.55	247	2.628	171	38.94	207	26.737	170	52.18	11
März 1.9	54.66	46	50.28	258	45.664	234	61.08	208	2.799	206	36.87	170	26.907	196	52.07	31
11.9	55.12	51	47.70	237	45.898	274	59.00	160	3.005	240	35.17	125	27.103	221	51.76	52
21.9	55.63	57	45.33	211	46.172	308	57.40	106	3.245	270	33.92	75	27.324	244	51.24	73
31.8	56.20	61	43.22	180	46.480	336	56.34	48	3.515	294	33.17	23	27.568	265	50.51	94
Apr. 10.8	56.81	64	41.42	146	46.816	356	55.86	11	3.809	313	32.94	31	27.833	281	49.57	112
20.8	57.45	65	39.96	108	47.172	366	55.97	70	4.122	324	33.25	83	28.114	293	48.45	128
30.8	58.10	66	38.88	68	47.538	369	56.67	125	4.446	329	34.08	133	28.407	300	47.17	140
Mai 10.7	58.76	66	38.20	27	47.907	360	57.92	176	4.775	324	35.41	177	28.707	300	45.77	147
20.7	59.42	63	37.93	16	48.267	344	59.68	222	5.099	313	37.18	217	29.007	294	44.30	150
30.7	60.05	60	38.09	57	48.611	317	61.90	259	5.412	292	39.35	249	29.301	280	42.80	148
Juni 9.6	60.65	55	38.66	98	48.928	282	64.49	289	5.704	264	41.84	273	29.581	260	41.32	143
19.6	61.20	48	39.64	136	49.210	241	67.38	313	5.968	230	44.57	291	29.841	233	39.89	132
29.6	61.68	41	41.00	170	49.451	191	70.51	326	6.198	189	47.48	300	30.074	199	38.57	118
Juli 9.6	62.09	32	42.70	200	49.642	138	73.77	331	6.387	143	50.48	302	30.273	161	37.39	103
19.5	62.41	22	44.70	222	49.780	82	77.08	330	6.530	94	53.50	297	30.434	118	36.36	84
29.5	62.63	12	46.92	238	49.862	25	80.38	321	6.624	44	56.47	286	30.552	72	35.52	65
Aug. 8.5	62.75	1	49.30	245	49.887	33	83.59	303	6.668	6	59.33	268	30.624	28	34.87	46
18.5	62.76	10	51.75	245	49.854	87	86.62	281	6.662	55	62.01	245	30.652	18	34.41	28
28.4	62.66	19	54.20	234	49.767	138	89.43	253	6.607	99	64.46	218	30.634	58	34.13	11
Sept. 7.4	62.47	29	56.54	215	49.629	182	91.96	220	6.508	139	66.64	186	30.576	96	34.02	4
17.4	62.18	35	58.69	187	49.447	218	94.16	181	6.369	171	68.50	150	30.480	126	34.06	18
27.3	61.83	42	60.56	151	49.229	246	95.97	139	6.198	195	70.00	113	30.354	148	34.24	28
Okt. 7.3	61.41	46	62.07	108	48.983	264	97.36	93	6.003	212	71.13	72	30.206	161	34.52	37
17.3	60.95	48	63.15	62	48.719	273	98.29	45	5.791	217	71.85	30	30.045	166	34.89	44
27.3	60.47	47	63.77	11	48.446	272	98.74	4	5.574	216	72.15	14	29.879	162	35.33	49
Nov. 6.2	60.00	45	63.88	41	48.174	260	98.70	56	5.358	206	72.01	58	29.717	149	35.82	52
16.2	59.55	40	63.47	91	47.914	239	98.14	105	5.152	187	71.43	102	29.568	129	36.34	55
26.2	59.15	34	62.56	137	47.675	212	97.09	154	4.965	161	70.41	142	29.439	103	36.89	56
Dez. 6.2	58.81	26	61.19	180	47.463	178	95.55	198	4.804	132	68.99	180	29.336	74	37.45	57
16.1	58.55	18	59.39	217	47.285	136	93.57	237	4.672	97	67.19	212	29.262	42	38.02	57
26.1	58.37	9	57.22	246	47.149	91	91.20	268	4.575	58	65.07	239	29.220	8	38.59	53
36.1	58.28		54.76		47.058		88.52		4.517		62.68		29.212		39.12	
Mittl. Ort	56.91		65.77		46.340		63.33		3.281		38.46		27.296		55.84	
sec δ, tg δ	2.506		−2.298		1.414		+1.000		1.202		+0.666		1.015		−0.172	

Mittlere Zeit Greenw.	783) η Cephei AR.		783) η Cephei Dekl.		784) λ Cygni AR.		784) λ Cygni Dekl.	
	20h 43m		+61° 31′		20h 44m		+36° 12′	
1922	s		″		s		″	
Jan. 1.1	40.79	16	84.58	296	21.257	40	25.89	256
11.1	40.63	8	81.62	320	21.217	1	23.33	269
21.0	40.55	0	78.42	330	21.218	44	20.64	273
31.0	40.55	8	75.12	330	21.262	87	17.91	265
Feb. 10.0	40.63	15	71.82	314	21.349	130	15.26	247
19.9	40.78	24	68.68	288	21.479	170	12.79	218
März 1.9	41.02	31	65.80	249	21.649	209	10.61	180
11.9	41.33	37	63.31	201	21.858	243	8.81	136
21.9	41.70	42	61.30	146	22.101	274	7.45	85
31.8	42.12	47	59.84	86	22.375	300	6.60	31
Apr. 10.8	42.59	49	58.98	22	22.675	319	6.29	24
20.8	43.08	51	58.76	41	22.994	331	6.53	78
30.7	43.59	51	59.17	102	23.325	335	7.31	129
Mai 10.7	44.10	49	60.19	159	23.660	331	8.60	175
20.7	44.59	46	61.78	212	23.991	318	10.35	216
30.7	45.05	42	63.90	256	24.309	297	12.51	250
Juni 9.6	45.47	37	66.46	295	24.606	269	15.01	276
19.6	45.84	31	69.41	323	24.875	233	17.77	294
29.6	46.15	23	72.64	345	25.108	191	20.71	306
Juli 9.6	46.38	16	76.09	356	25.299	143	23.77	309
19.5	46.54	8	79.65	361	25.442	94	26.86	305
29.5	46.62	0	83.26	356	25.536	43	29.91	294
Aug. 8.5	46.62	8	86.82	343	25.579	10	32.85	278
18.5	46.54	16	90.25	325	25.569	58	35.63	254
28.4	46.38	23	93.50	298	25.511	105	38.17	227
Sept. 7.4	46.15	29	96.48	266	25.406	144	40.44	195
17.4	45.86	35	99.14	228	25.262	179	42.39	159
27.4	45.51	38	101.42	182	25.083	203	43.98	121
Okt. 7.3	45.13	42	103.24	136	24.880	220	45.19	78
17.3	44.71	44	104.60	83	24.660	228	45.97	35
27.3	44.27	43	105.43	29	24.432	226	46.32	11
Nov. 6.2	43.84	44	105.72	28	24.206	216	46.21	56
16.2	43.40	40	105.44	85	23.990	197	45.65	101
26.2	43.00	38	104.59	141	23.793	173	44.64	144
Dez. 6.2	42.62	32	103.18	192	23.620	141	43.20	183
16.1	42.30	27	101.26	240	23.479	107	41.37	218
26.1	42.03	21	98.86	279	23.372	67	39.19	245
36.1	41.82		96.07		23.305		36.74	
Mittl. Ort	42.35		67.50		22.171		12.35	
sec δ, tg δ	2.098		+1.845		1.239		+0.732	

Mittlere Zeit Greenw.	785) β Indi AR.		785) β Indi Dekl.		786) 32 Vulpeculae AR.		786) 32 Vulpeculae Dekl.	
	20h 48m		−58° 44′		20h 51m		+27° 45′	
1922	s		″		s		″	
Jan. 1.1	40.964	26	60.28	224	13.286	29	48.98	225
11.1	40.938	43	58.04	243	13.257	7	46.73	235
21.0	40.981	111	55.61	256	13.264	45	44.38	238
31.0	41.092	175	53.05	262	13.309	83	42.00	229
Feb. 10.0	41.267	236	50.43	262	13.392	120	39.71	211
19.9	41.503	293	47.81	258	13.512	157	37.60	184
März 1.9	41.796	344	45.23	247	13.669	191	35.76	150
11.9	42.140	391	42.76	232	13.860	223	34.26	108
21.9	42.531	432	40.44	213	14.083	252	33.18	61
31.8	42.963	466	38.31	188	14.335	276	32.57	13
Apr. 10.8	43.429	494	36.43	161	14.611	296	32.44	38
20.8	43.923	513	34.82	130	14.907	308	32.82	86
30.7	44.436	523	33.52	95	15.215	315	33.68	131
Mai 10.7	44.959	522	32.57	58	15.530	313	34.99	173
20.7	45.481	510	31.99	21	15.843	305	36.72	208
30.7	45.991	487	31.78	19	16.148	287	38.80	237
Juni 9.6	46.478	450	31.97	57	16.435	263	41.17	259
19.6	46.928	404	32.54	95	16.698	231	43.76	273
29.6	47.332	344	33.49	128	16.929	194	46.49	281
Juli 9.6	47.676	278	34.77	160	17.123	151	49.30	281
19.5	47.954	203	36.37	185	17.274	105	52.11	276
29.5	48.157	121	38.22	204	17.379	58	54.87	263
Aug. 8.5	48.278	39	40.26	216	17.437	9	57.50	245
18.5	48.317	43	42.42	220	17.446	37	59.95	224
28.4	48.274	122	44.62	216	17.409	81	62.19	197
Sept. 7.4	48.152	193	46.78	203	17.328	118	64.16	167
17.4	47.959	254	48.81	182	17.210	151	65.83	135
27.4	47.705	302	50.63	153	17.059	175	67.18	99
Okt. 7.3	47.403	334	52.16	118	16.884	191	68.17	63
17.3	47.069	351	53.34	77	16.693	198	68.80	23
27.3	46.718	350	54.11	33	16.495	197	69.03	15
Nov. 6.2	46.368	331	54.44	13	16.298	187	68.88	55
16.2	46.037	300	54.31	58	16.111	171	68.33	94
26.2	45.737	254	53.73	102	15.940	148	67.39	131
Dez. 6.2	45.483	198	52.71	142	15.792	119	66.08	164
16.1	45.285	136	51.29	177	15.673	88	64.44	194
26.1	45.149	67	49.52	206	15.585	54	62.50	216
36.1	45.082		47.46		15.531		60.34	
Mittl. Ort	43.441		58.44		14.107		36.80	
sec δ, tg δ	1.928		−1.648		1.130		+0.526	

Mittlere Zeit Greenw.	788) ν Cygni				790) ζ Microscopii				793) 61 Cygni pr.*)				794) ν Aquarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	20h 54m		+40° 51′		20h 57m		−38° 55′		21h 3m		+38° 21′		21h 5m		−11° 40′	
Jan. 1.1	13.961	64	72.62	262	57.729	6	73.95	117	23.116	53	68.53	242	19.934	6	73.98	36
11.1	14.897	19	70.00	279	57.723	37	72.78	135	23.063	10	66.11	259	19.928	26	74.34	27
21.0	14.878	26	67.21	286	57.760	79	71.43	149	23.053	32	63.52	265	19.954	58	74.61	18
31.0	14.904	73	64.35	281	57.839	120	69.94	161	23.085	77	60.87	261	20.012	90	74.79	5
Feb. 10.0	14.977	118	61.54	265	57.959	159	68.33	169	23.162	121	58.26	246	20.102	120	74.84	11
20.0	15.095	165	58.89	238	58.118	195	66.64	175	23.283	164	55.80	219	20.222	149	74.73	28
März 1.9	15.260	206	56.51	201	58.313	230	64.89	179	23.447	205	53.61	185	20.371	179	74.45	47
11.9	15.466	246	54.50	157	58.543	263	63.10	179	23.652	244	51.76	141	20.550	206	73.98	67
21.9	15.712	281	52.93	106	58.806	292	61.31	176	23.896	279	50.35	91	20.756	232	73.31	87
31.9	15.993	310	51.87	51	59.098	318	59.55	170	24.175	307	49.44	38	20.988	255	72.44	106
Apr. 10.8	16.303	333	51.36	6	59.416	340	57.85	160	24.482	331	49.06	18	21.243	274	71.38	123
20.8	16.636	346	51.42	62	59.756	357	56.25	147	24.813	346	49.24	72	21.517	291	70.15	138
30.8	16.982	353	52.04	116	60.113	368	54.78	129	25.159	353	49.96	124	21.808	301	68.77	147
Mai 10.8	17.335	349	53.20	166	60.481	370	53.49	109	25.512	352	51.20	173	22.109	304	67.30	153
20.7	17.684	337	54.86	210	60.851	366	52.40	86	25.864	342	52.93	217	22.413	302	65.77	155
30.7	18.021	316	56.96	247	61.217	353	51.54	59	26.206	322	55.10	252	22.715	292	64.22	151
Juni 9.7	18.337	287	59.43	278	61.570	330	50.95	31	26.528	296	57.62	282	23.007	274	62.71	143
19.6	18.624	249	62.21	300	61.900	299	50.64	2	26.824	260	60.44	304	23.281	250	61.28	132
29.6	18.873	205	65.21	314	62.199	261	50.62	27	27.084	219	63.48	317	23.531	218	59.96	116
Juli 9.6	19.078	157	68.35	321	62.460	215	50.89	55	27.303	172	66.65	324	23.749	181	58.80	99
19.6	19.235	105	71.56	320	62.675	163	51.44	80	27.475	122	69.89	322	23.930	140	57.81	79
29.5	19.340	49	74.76	312	62.838	108	52.24	102	27.597	69	73.11	314	24.070	95	57.02	59
Aug. 8.5	19.389	4	77.88	297	62.946	51	53.26	120	27.666	17	76.25	299	24.165	49	56.43	38
18.5	19.385	56	80.85	276	62.997	6	54.46	132	27.683	34	79.24	278	24.214	3	56.05	19
28.4	19.329	105	83.61	250	62.991	60	55.78	139	27.649	83	82.02	252	24.217	39	55.86	1
Sept. 7.4	19.224	149	86.11	218	62.931	109	57.17	139	27.566	125	84.54	221	24.178	78	55.85	15
17.4	19.075	185	88.29	182	62.822	150	58.56	133	27.441	160	86.75	186	24.100	111	56.00	27
27.4	18.890	213	90.11	142	62.672	183	59.89	122	27.281	189	88.61	148	23.989	135	56.27	38
Okt. 7.3	18.677	233	91.53	99	62.489	205	61.11	103	27.092	208	90.09	106	23.854	153	56.65	46
17.3	18.444	244	92.52	54	62.284	214	62.14	82	26.884	220	91.15	61	23.701	161	57.11	51
27.3	18.200	245	93.06	6	62.070	214	62.96	55	26.664	221	91.76	17	23.540	160	57.62	53
Nov. 6.3	17.955	236	93.12	41	61.856	202	63.51	29	26.443	213	91.93	30	23.380	151	58.15	55
16.2	17.719	220	92.71	90	61.654	181	63.80	1	26.230	199	91.63	77	23.229	135	58.70	55
26.2	17.499	197	91.81	136	61.473	151	63.79	29	26.031	177	90.86	121	23.094	113	59.25	53
Dez. 6.2	17.302	166	90.45	180	61.322	115	63.50	55	25.854	149	89.65	162	22.981	87	59.78	51
16.1	17.136	131	88.65	218	61.207	75	62.95	81	25.705	116	88.03	200	22.894	57	60.29	47
26.1	17.005	92	86.47	248	61.132	32	62.14	103	25.589	78	86.03	229	22.837	26	60.76	42
36.1	16.913		83.99		61.100		61.11		25.511		83.74		22.811		61.18	
Mittl. Ort	15.865		58.05		59.166		73.58		23.948		54.41		20.838		78.00	
sec δ, tg δ	1.322		+0.865		1.286		−0.808		1.275		+0.792		1.021		−0.207	

*) Die jährliche Parallaxe (0.″30) ist bereits berücksichtigt

Mittlere Zeit Greenw.	795) Br. 2777 AR.	Δ	795) Br. 2777 Dekl.	Δ	797) ζ Cygni AR.	Δ	797) ζ Cygni Dekl.	Δ	800) α Equulei AR.	Δ	800) α Equulei Dekl.	Δ	803) α Cephei AR.	Δ	803) α Cephei Dekl.	Δ
1922	$21^h 7^m$		+77° 48′		$21^h 9^m$		+29° 54′		$21^h 11^m$		+4° 55′		$21^h 16^m$		+62° 15′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	2.17	59	57.10	271	36.204	51	35.33	222	54.768	20	35.77	121	41.93	22	35.40	271
11.1	1.58	41	54.39	304	36.153	15	33.11	236	54.748	12	34.56	121	41.71	15	32.69	302
21.1	1.17	23	51.35	327	36.138	23	30.75	241	54.760	42	33.35	115	41.56	7	29.67	321
31.0	0.94	4	48.08	337	36.161	62	28.34	235	54.802	74	32.20	106	41.49	1	26.46	328
Feb. 10.0	0.90	16	44.71	332	36.223	100	25.99	221	54.876	104	31.14	89	41.50	10	23.18	322
20.0	1.06	35	41.39	316	36.323	138	23.78	197	54.980	135	30.25	67	41.60	17	19.96	303
März 2.0	1.41	53	38.23	287	36.461	175	21.81	163	55.115	165	29.58	41	41.77	26	16.93	273
11.9	1.94	69	35.36	247	36.636	211	20.18	124	55.280	194	29.17	12	42.03	33	14.20	231
21.9	2.63	83	32.89	197	36.847	242	18.94	78	55.474	221	29.05	21	42.36	39	11.89	181
31.9	3.46	93	30.92	142	37.089	271	18.16	30	55.695	244	29.26	53	42.75	44	10.08	124
Apr. 10.8	4.39	101	29.50	81	37.360	293	17.86	21	55.939	266	29.79	86	43.19	49	8.84	64
20.8	5.40	105	28.69	18	37.653	311	18.07	71	56.205	282	30.65	115	43.68	51	8.20	2
30.8	6.45	106	28.51	45	37.964	319	18.78	118	56.487	293	31.80	142	44.19	52	8.18	59
Mai 10.8	7.51	103	28.96	104	38.283	322	19.96	161	56.780	297	33.22	164	44.71	52	8.77	120
20.7	8.54	97	30.00	162	38.605	315	21.57	199	57.077	294	34.86	182	45.23	50	9.97	174
30.7	9.51	89	31.62	212	38.920	301	23.56	231	57.371	284	36.68	193	45.73	47	11.71	224
Juni 9.7	10.40	77	33.74	257	39.221	278	25.87	257	57.655	267	38.61	200	46.20	43	13.95	266
19.6	11.17	64	36.31	295	39.499	248	28.44	274	57.922	243	40.61	199	46.63	36	16.61	301
29.6	11.81	49	39.26	323	39.747	212	31.18	284	58.165	212	42.60	195	46.99	30	19.62	329
Juli 9.6	12.30	33	42.49	345	39.959	171	34.02	288	58.377	175	44.55	186	47.29	23	22.91	347
19.6	12.63	17	45.94	358	40.130	124	36.90	285	58.552	135	46.41	172	47.52	14	26.38	359
29.5	12.80	1	49.52	364	40.254	77	39.75	276	58.687	92	48.13	155	47.66	7	29.97	360
Aug. 8.5	12.79	17	53.16	360	40.331	28	42.51	260	58.779	47	49.68	136	47.73	2	33.57	355
18.5	12.62	34	56.76	350	40.359	20	45.11	239	58.826	3	51.04	114	47.71	9	37.12	341
28.4	12.28	50	60.26	331	40.339	65	47.50	215	58.829	38	52.18	93	47.62	17	40.53	322
Sept. 7.4	11.78	63	63.57	306	40.274	105	49.65	186	58.791	75	53.11	69	47.45	24	43.75	293
17.4	11.15	76	66.63	274	40.169	139	51.51	153	58.716	108	53.80	47	47.21	29	46.68	261
27.4	10.39	87	69.37	236	40.030	166	53.04	119	58.608	131	54.27	25	46.92	35	49.29	221
Okt. 7.3	9.52	95	71.73	192	39.864	186	54.23	82	58.477	149	54.52	4	46.57	39	51.50	176
17.3	8.57	102	73.65	143	39.678	196	55.05	42	58.328	158	54.56	17	46.18	42	53.26	127
27.3	7.55	106	75.08	88	39.482	198	55.47	2	58.170	158	54.39	37	45.76	43	54.53	74
Nov. 6.3	6.49	106	75.96	32	39.284	192	55.49	39	58.012	151	54.02	55	45.33	43	55.27	17
16.2	5.43	105	76.28	28	39.092	179	55.10	78	57.861	138	53.47	73	44.90	43	55.44	40
26.2	4.38	100	76.00	87	38.913	160	54.32	118	57.723	118	52.74	88	44.47	40	55.04	97
Dez. 6.2	3.38	92	75.13	146	38.753	135	53.14	154	57.605	95	51.86	101	44.07	36	54.07	153
16.1	2.46	82	73.67	199	38.618	106	51.60	186	57.510	67	50.85	113	43.71	32	52.54	205
26.1	1.64	69	71.68	248	38.512	74	49.74	211	57.443	39	49.72	120	43.39	26	50.49	249
36.1	0.95		69.20		38.438		47.63		57.404		48.52		43.13		48.00	
Mittl. Ort	5.26		37.45		36.936		22.53		55.518		28.37		43.13		16.91	
sec δ, tg δ	4.736		+4.630		1.154		+0.575		1.004		+0.086		2.148		+1.901	

Mittlere Zeit Greenw.	804) ι Pegasi				805) γ Pavonis				806) ζ Capricorni				808) β Aquarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	21ʰ 18ᵐ		+19° 28′		21ʰ 19ᵐ		−65° 42′		21ʰ 22ᵐ		−22° 44′		21ʰ 27ᵐ		−5° 54′	
Jan. 1.1	28.046	41	22.63	181	57.62	12	78.25	246	12.017	22	59.17	24	26.466	26	49.71	64
11.1	28.005	8	20.82	189	57.50	4	75.79	271	11.995	12	58.93	39	26.440	3	50.35	59
21.1	27.997	25	18.93	191	57.46	4	73.08	291	12.007	44	58.54	54	26.443	33	50.94	48
31.0	28.022	59	17.02	184	57.50	12	70.17	303	12.051	78	58.00	68	26.476	64	51.42	37
Feb. 10.0	28.081	93	15.18	169	57.62	21	67.14	307	12.129	110	57.32	83	26.540	94	51.79	20
20.0	28.174	127	13.49	146	57.83	28	64.07	305	12.239	142	56.49	97	26.634	124	51.99	2
März 2.0	28.301	160	12.03	116	58.11	35	61.02	296	12.381	173	55.52	112	26.758	154	52.01	21
11.9	28.461	193	10.87	81	58.46	43	58.06	281	12.554	203	54.40	126	26.912	184	51.80	44
21.9	28.654	223	10.06	41	58.89	47	55.25	261	12.757	232	53.14	137	27.096	211	51.36	69
31.9	28.877	250	9.65	2	59.36	53	52.64	234	12.989	258	51.77	147	27.307	238	50.67	92
Apr. 10.8	29.127	272	9.67	45	59.89	58	50.30	204	13.247	282	50.30	154	27.545	261	49.75	116
20.8	29.399	291	10.12	88	60.47	60	48.26	170	13.529	300	48.76	157	27.806	279	48.59	135
30.8	29.690	301	11.00	127	61.07	63	46.56	130	13.829	315	47.19	157	28.085	293	47.24	151
Mai 10.8	29.991	306	12.27	162	61.70	64	45.26	89	14.144	321	45.62	152	28.378	301	45.73	164
20.7	30.297	303	13.89	192	62.34	63	44.37	46	14.465	322	44.10	142	28.679	300	44.09	171
30.7	30.600	293	15.81	217	62.97	61	43.91	0	14.787	314	42.68	129	28.979	294	42.38	172
Juni 9.7	30.893	273	17.98	235	63.58	58	43.91	45	15.101	299	41.39	112	29.273	280	40.66	170
19.6	31.166	248	20.33	247	64.16	53	44.36	88	15.400	275	40.27	92	29.553	258	38.96	163
29.6	31.414	216	22.80	252	64.69	47	45.24	128	15.675	245	39.35	69	29.811	229	37.33	151
Juli 9.6	31.630	178	25.32	250	65.16	39	46.52	166	15.920	207	38.66	45	30.040	194	35.82	135
19.6	31.808	136	27.82	244	65.55	30	48.18	198	16.127	166	38.21	21	30.234	155	34.47	118
29.5	31.944	91	30.26	231	65.85	21	50.16	223	16.293	118	38.00	2	30.389	112	33.29	97
Aug. 8.5	32.035	46	32.57	214	66.06	10	52.39	240	16.411	71	38.02	25	30.501	67	32.32	76
18.5	32.081	0	34.71	194	66.16	0	54.79	249	16.482	22	38.27	44	30.568	23	31.56	55
28.4	32.081	43	36.65	170	66.16	10	57.28	250	16.504	25	38.71	60	30.591	20	31.01	35
Sept. 7.4	32.038	81	38.35	143	66.06	19	59.78	239	16.479	67	39.31	72	30.571	59	30.66	15
17.4	31.957	114	39.78	115	65.87	28	62.17	220	16.412	104	40.03	79	30.512	93	30.51	2
27.4	31.843	140	40.93	85	65.59	35	64.37	191	16.308	134	40.82	83	30.419	120	30.53	18
Okt. 7.3	31.703	159	41.78	54	65.24	41	66.28	155	16.174	154	41.65	82	30.299	139	30.71	31
17.3	31.544	169	42.32	22	64.83	43	67.83	112	16.020	167	42.47	77	30.160	150	31.02	42
27.3	31.375	172	42.54	11	64.40	46	68.95	63	15.853	169	43.24	68	30.010	153	31.44	51
Nov. 6.3	31.203	167	42.43	42	63.94	44	69.58	11	15.684	163	43.92	57	29.857	148	31.95	58
16.2	31.036	156	42.01	74	63.50	43	69.69	40	15.521	149	44.49	45	29.709	137	32.53	64
26.2	30.880	138	41.27	103	63.07	38	69.29	93	15.372	128	44.94	30	29.572	119	33.17	67
Dez. 6.2	30.742	115	40.24	132	62.69	32	68.36	140	15.244	103	45.24	16	29.453	98	33.84	69
16.1	30.627	89	38.92	154	62.37	25	66.96	185	15.141	74	45.40	1	29.355	72	34.53	70
26.1	30.538	60	37.38	174	62.12	17	65.11	223	15.067	41	45.41	13	29.283	44	35.23	69
36.1	30.478		35.64		61.95		62.88		15.026		45.28		29.239		35.92	
Mittl. Ort	28.721		12.03		60.76		73.14		13.018		60.15		27.236		54.20	
sec δ, tg δ	1.061		+0.353		2.432		−2.217		1.084		−0.420		1.005		−0.104	

Mittlere Zeit Greenw.	809) β Cephei				810) ν Octantis				811) 74 Cygni				815) ε Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$21^h 27^m$		+70° 12′		$21^h 32^m$		−77° 43′		$21^h 33^m$		+40° 3′		$21^h 40^m$		+9° 30′	
Jan. 1.1	38.12 s	37	84.96 ″	259	45.17 s	38	82.86 ″	280	48.632 s	100	60.22 ″	232	20.689 s	45	67.98 ″	132
11.1	37.75	27	82.37	295	44.79	22	80.06	310	48.532	61	57.90	255	20.644	18	66.66	136
21.1	37.48	17	79.42	319	44.57	5	76.96	332	48.471	20	55.35	268	20.626	12	65.30	134
31.0	37.31	5	76.23	332	44.52	11	73.64	343	48.451	23	52.67	270	20.638	43	63.96	126
Feb. 10.0	37.26	7	72.91	332	44.63	28	70.21	348	48.474	69	49.97	261	20.681	74	62.70	111
20.0	37.33	19	69.59	318	44.91	44	66.73	343	48.543	115	47.36	243	20.755	106	61.59	91
März 2.0	37.52	30	66.41	291	45.35	58	63.30	330	48.658	161	44.93	212	20.861	138	60.68	65
11.9	37.82	41	63.50	254	45.93	72	60.00	311	48.819	204	42.81	174	20.999	170	60.03	34
21.9	38.23	49	60.96	207	46.65	83	56.89	285	49.023	245	41.07	129	21.169	200	59.69	1
31.9	38.72	58	58.89	153	47.48	94	54.04	254	49.268	281	39.78	78	21.369	229	59.68	33
Apr. 10.9	39.30	63	57.36	93	48.42	103	51.50	217	49.549	311	39.00	25	21.598	255	60.01	69
20.8	39.93	67	56.43	31	49.45	109	49.33	175	49.860	334	38.75	30	21.853	275	60.70	103
30.8	40.60	69	56.12	31	50.54	113	47.58	130	50.194	349	39.05	84	22.128	290	61.73	134
Mai 10.8	41.29	69	56.43	92	51.67	115	46.28	82	50.543	355	39.89	134	22.418	299	63.07	161
20.7	41.98	66	57.35	150	52.82	115	45.46	32	50.898	351	41.23	181	22.717	300	64.68	184
30.7	42.64	62	58.85	202	53.97	112	45.14	19	51.249	338	43.04	221	23.017	295	66.52	200
Juni 9.7	43.26	56	60.87	249	55.09	105	45.33	68	51.587	315	45.25	255	23.312	281	68.52	211
19.7	43.82	49	63.36	288	56.14	97	46.01	117	51.902	285	47.80	281	23.593	259	70.63	217
29.6	44.31	40	66.24	320	57.11	86	47.18	161	52.187	247	50.61	301	23.852	232	72.80	216
Juli 9.6	44.71	30	69.44	343	57.97	72	48.79	202	52.434	203	53.62	313	24.084	197	74.96	210
19.6	45.01	20	72.87	358	58.69	56	50.81	235	52.637	154	56.75	317	24.281	159	77.06	199
29.6	45.21	8	76.45	366	59.25	38	53.16	262	52.791	101	59.92	314	24.440	117	79.05	185
Aug. 8.5	45.29	2	80.11	365	59.63	20	55.78	281	52.892	49	63.06	305	24.557	72	80.90	166
18.5	45.27	12	83.76	355	59.83	1	58.59	288	52.941	4	66.11	288	24.629	29	82.56	146
28.5	45.15	23	87.31	340	59.84	18	61.47	287	52.937	54	68.99	267	24.658	14	84.02	123
Sept. 7.4	44.92	32	90.71	316	59.66	37	64.34	274	52.883	100	71.66	240	24.644	52	85.25	100
17.4	44.60	40	93.87	286	59.29	53	67.08	252	52.783	141	74.06	208	24.592	87	86.25	74
27.4	44.20	48	96.73	249	58.76	69	69.60	218	52.642	173	76.14	172	24.505	114	86.99	50
Okt. 7.4	43.72	53	99.22	206	58.07	79	71.78	177	52.469	200	77.86	133	24.391	135	87.49	26
17.3	43.19	58	101.28	157	57.28	89	73.55	126	52.269	216	79.19	90	24.256	148	87.75	2
27.3	42.61	61	102.85	105	56.39	93	74.81	72	52.053	225	80.09	46	24.108	153	87.77	21
Nov. 6.3	42.00	62	103.90	48	55.46	94	75.53	12	51.828	226	80.55	2	23.955	151	87.56	44
16.2	41.38	62	104.38	11	54.52	90	75.65	48	51.602	218	80.53	49	23.804	143	87.12	65
26.2	40.76	60	104.27	70	53.62	85	75.17	106	51.384	203	80.04	95	23.661	129	86.47	85
Dez. 6.2	40.16	55	103.57	129	52.77	74	74.11	162	51.181	182	79.09	140	23.532	110	85.62	103
16.2	39.61	50	102.28	184	52.03	62	72.49	212	50.999	156	77.69	180	23.422	88	84.59	118
26.1	39.11	42	100.44	235	51.41	48	70.37	256	50.843	123	75.89	216	23.334	63	83.41	129
36.1	38.69		98.09		50.93		67.81		50.720		73.73		23.271		82.12	
Mittl. Ort	39.62		65.16		51.53		76.00		49.260		45.05		21.295		60.03	
sec δ, tg δ	2.955		+2.780		4.708		−4.601		1.306		+0.841		1.014		+0.168	

Mittlere Zeit Greenw.	819) δ Capricorni AR.		819) δ Capricorni Dekl.		821) π² Cygni AR.		821) π² Cygni Dekl.	
1922	$21^h\,42^m$		$-16°\,28'$		$21^h\,43^m$		$+48°\,56'$	
	s		″		s		″	
Jan. 1.1	43.438	38	53.69	11	53.985	148	70.11	237
11.1	43.400	8	53.80	—2	53.837	105	67.74	268
21.1	43.392	—22	53.78	16	53.732	56	65.06	286
31.1	43.414	53	53.62	31	53.676	4	62.20	294
Feb. 10.0	43.467	84	53.31	48	53.672	—51	59.26	291
20.0	43.551	115	52.83	65	53.723	107	56.35	275
März 2.0	43.666	146	52.18	83	53.830	162	53.60	248
11.9	43.812	178	51.35	101	53.992	215	51.12	212
21.9	43.990	208	50.34	119	54.207	265	49.00	166
31.9	44.198	236	49.15	135	54.472	309	47.34	115
Apr. 10.9	44.434	261	47.80	148	54.781	345	46.19	58
20.8	44.695	283	46.32	157	55.126	374	45.61	2
30.8	44.978	300	44.75	164	55.500	392	45.59	—56
Mai 10.8	45.278	310	43.11	166	55.892	399	46.15	111
20.8	45.588	314	41.45	163	56.291	395	47.26	163
30.7	45.902	309	39.82	155	56.686	381	48.89	209
Juni 9.7	46.211	298	38.27	143	57.067	357	50.98	250
19.7	46.509	277	36.84	126	57.424	322	53.48	282
29.6	46.786	251	35.58	108	57.746	279	56.30	308
Juli 9.6	47.037	216	34.50	86	58.025	230	59.38	326
19.6	47.253	178	33.64	63	58.255	175	62.64	336
29.6	47.431	133	33.01	39	58.430	116	66.00	338
Aug. 8.5	47.564	88	32.62	15	58.546	56	69.38	333
18.5	47.652	42	32.47	—6	58.602	—3	72.71	321
28.5	47.694	—4	32.53	26	58.599	60	75.92	302
Sept. 7.4	47.690	45	32.79	43	58.539	113	78.94	277
17.4	47.645	83	33.22	56	58.426	160	81.71	247
27.4	47.562	112	33.78	65	58.266	200	84.18	210
Okt. 7.4	47.450	135	34.43	71	58.066	231	86.28	170
17.3	47.315	149	35.14	73	57.835	254	87.98	126
27.3	47.166	156	35.87	70	57.581	269	89.24	77
Nov. 6.3	47.010	152	36.57	67	57.312	273	90.01	27
16.3	46.858	144	37.24	60	57.039	270	90.28	—26
26.2	46.714	127	37.84	52	56.769	257	90.02	77
Dez. 6.2	46.587	107	38.36	42	56.512	236	89.25	128
16.2	46.480	82	38.78	32	56.276	209	87.97	176
26.1	46.398	55	39.10	20	56.067	175	86.21	217
36.1	46.343		39.30		55.892		84.04	
Mittl. Ort	44.271		55.03		54.602		53.05	
sec δ, tg δ	1.043		−0.296		1.523		+1.148	

Mittlere Zeit Greenw.	822) γ Gruis AR.		822) γ Gruis Dekl.		823) 16 Pegasi AR.		823) 16 Pegasi Dekl.	
1922	$21^h\,49^m$		$-37°\,43'$		$21^h\,49^m$		$+25°\,33'$	
	s		″		s		″	
Jan. 1.1	11.386	62	60.50	96	30.212	75	39.11	185
11.1	11.324	25	59.54	121	30.137	45	37.26	200
21.1	11.299	—13	58.33	142	30.092	13	35.26	208
31.1	11.312	50	56.91	162	30.079	—22	33.18	206
Feb. 10.0	11.362	89	55.29	178	30.101	57	31.12	196
20.0	11.451	128	53.51	191	30.158	95	29.16	178
März 2.0	11.579	165	51.60	201	30.253	131	27.38	151
11.9	11.744	202	49.59	207	30.384	169	25.87	117
21.9	11.946	238	47.52	210	30.553	205	24.70	76
31.9	12.184	272	45.42	209	30.758	237	23.94	34
Apr. 10.9	12.456	301	43.33	203	30.995	266	23.60	—12
20.8	12.757	328	41.30	194	31.261	289	23.72	57
30.8	13.085	348	39.36	179	31.550	307	24.29	102
Mai 10.8	13.433	361	37.57	160	31.857	316	25.31	142
20.8	13.794	367	35.97	137	32.173	318	26.73	179
30.7	14.161	363	34.60	110	32.491	311	28.52	210
Juni 9.7	14.524	351	33.50	81	32.802	296	30.62	235
19.7	14.875	330	32.69	48	33.098	274	32.97	253
29.6	15.205	298	32.21	15	33.372	243	35.50	265
Juli 9.6	15.503	261	32.06	—18	33.615	208	38.15	270
19.6	15.764	215	32.24	50	33.823	166	40.85	269
29.6	15.979	164	32.74	79	33.989	121	43.54	261
Aug. 8.5	16.143	110	33.53	105	34.110	75	46.15	248
18.5	16.253	55	34.58	127	34.185	29	48.63	231
28.5	16.308	—1	35.85	142	34.214	—16	50.94	209
Sept. 7.4	16.307	52	37.27	151	34.198	57	53.03	184
17.4	16.255	99	38.78	154	34.141	94	54.87	155
27.4	16.156	137	40.32	149	34.047	124	56.42	125
Okt. 7.4	16.019	168	41.81	138	33.923	147	57.67	91
17.3	15.851	188	43.19	121	33.776	164	58.58	57
27.3	15.663	198	44.40	98	33.612	172	59.15	22
Nov. 6.3	15.465	198	45.38	72	33.440	173	59.37	—15
16.3	15.267	189	46.10	43	33.267	167	59.22	50
26.2	15.078	170	46.53	12	33.100	156	58.72	86
Dez. 6.2	14.908	147	46.65	—19	32.944	139	57.86	118
16.2	14.761	117	46.46	49	32.805	118	56.68	149
26.1	14.644	83	45.97	78	32.687	93	55.19	174
36.1	14.561		45.19		32.594		53.45	
Mittl. Ort	12.621		56.83		30.715		27.20	
sec δ, tg δ	1.264		−0.774		1.108		+0.478	

Mittlere Zeit Greenw.	827) α Aquarii				828) ι Aquarii				830) 20 Cephei				829) α Gruis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	22h 1m		−0° 41′		22h 2m		−14° 14′		22h 2m		+62° 24′		22h 3m		−47° 19′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	46.120	54	53.13	84	12.871	53	54.24	23	37.58	29	36.73	226	17.956	101	89.02	135
11.1	46.066	29	53.97	80	12.818	26	54.47	10	37.29	22	34.47	265	17.855	59	87.67	166
21.1	46.037	2	54.77	73	12.792	1	54.57	5	37.07	16	31.82	294	17.796	15	86.01	193
31.1	46.035	27	55.50	63	12.793	31	54.52	20	36.91	8	28.88	313	17.781	30	84.08	214
Feb. 10.0	46.062	56	56.13	46	12.824	62	54.32	37	36.83	0	25.75	318	17.811	75	81.94	232
20.0	46.118	88	56.59	28	12.886	92	53.95	56	36.83	9	22.57	311	17.886	121	79.62	244
März 2.0	46.206	119	56.87	5	12.978	125	53.39	76	36.92	16	19.46	292	18.007	165	77.18	252
12.0	46.325	151	56.92	21	13.103	157	52.63	95	37.08	25	16.54	260	18.172	211	74.66	255
21.9	46.476	183	56.71	48	13.260	188	51.68	115	37.33	32	13.94	219	18.383	252	72.11	252
31.9	46.659	213	56.23	76	13.448	219	50.53	133	37.65	39	11.75	170	18.635	293	69.59	245
Apr. 10.9	46.872	240	55.47	102	13.667	247	49.20	149	38.04	45	10.05	115	18.928	330	67.14	233
20.8	47.112	265	54.45	128	13.914	271	47.71	161	38.49	49	8.90	55	19.258	362	64.81	215
30.8	47.377	283	53.17	149	14.185	291	46.10	171	38.98	52	8.35	5	19.620	387	62.66	193
Mai 10.8	47.660	296	51.68	167	14.476	304	44.39	174	39.50	53	8.40	65	20.007	405	60.73	166
20.8	47.956	301	50.01	180	14.780	311	42.65	174	40.03	53	9.05	122	20.412	413	59.07	134
30.7	48.257	300	48.21	188	15.091	310	40.91	169	40.56	51	10.27	176	20.825	413	57.73	100
Juni 9.7	48.557	290	46.33	191	15.401	301	39.22	159	41.07	48	12.03	224	21.238	403	56.73	64
19.7	48.847	273	44.42	188	15.702	284	37.63	144	41.55	43	14.27	266	21.641	380	56.09	23
29.7	49.120	249	42.54	180	15.986	259	36.19	127	41.98	38	16.93	300	22.021	349	55.86	15
Juli 9.6	49.369	217	40.74	168	16.245	228	34.92	105	42.36	31	19.93	327	22.370	307	56.01	54
19.6	49.586	181	39.06	152	16.473	191	33.87	82	42.67	25	23.20	347	22.677	258	56.55	91
29.6	49.767	141	37.54	134	16.664	149	33.05	57	42.92	16	26.67	357	22.935	201	57.46	124
Aug. 8.5	49.908	97	36.20	112	16.813	105	32.48	34	43.08	9	30.24	361	23.136	141	58.70	152
18.5	50.005	54	35.08	91	16.918	60	32.14	10	43.17	0	33.85	357	23.277	77	60.22	175
28.5	50.059	11	34.17	68	16.978	15	32.04	12	43.17	7	37.42	344	23.354	13	61.97	190
Sept. 7.5	50.070	28	33.49	46	16.993	27	32.16	31	43.10	14	40.86	325	23.367	48	63.87	198
17.4	50.042	64	33.03	25	16.966	65	32.47	47	42.96	21	44.11	299	23.319	104	65.85	198
27.4	49.978	94	32.78	5	16.901	96	32.94	59	42.75	28	47.10	267	23.215	152	67.83	189
Okt. 7.4	49.884	117	32.73	12	16.805	121	33.53	67	42.47	32	49.77	228	23.063	191	69.72	172
17.4	49.767	133	32.85	28	16.684	138	34.20	72	42.15	36	52.05	183	22.872	219	71.44	149
27.3	49.634	141	33.13	42	16.546	146	34.92	72	41.79	39	53.88	133	22.653	236	72.93	118
Nov. 6.3	49.493	142	33.55	54	16.400	148	35.64	71	41.40	41	55.21	80	22.417	240	74.11	82
16.3	49.351	137	34.09	65	16.252	142	36.35	67	40.99	41	56.01	24	22.177	234	74.93	45
26.2	49.214	127	34.74	73	16.110	130	37.02	60	40.58	41	56.25	34	21.943	218	75.38	4
Dez. 6.2	49.087	110	35.47	80	15.980	113	37.62	52	40.17	39	55.91	92	21.725	193	75.42	37
16.2	48.977	92	36.27	84	15.867	93	38.14	42	39.78	36	54.99	148	21.532	161	75.05	75
26.2	48.885	69	37.11	85	15.774	69	38.56	32	39.42	32	53.51	199	21.371	125	74.30	113
36.1	48.816		37.96		15.705		38.88		39.10		51.52		21.246		73.17	
Mittl. Ort	46.699		57.79		13.595		55.23		38.19		17.04		19.465		82.60	
sec δ, tg δ	1.000		−0.012		1.032		−0.254		2.159		+1.913		1.476		−1.085	

Mittlere Zeit Greenw.	834) ϑ Pegasi				835) π Pegasi				836) ζ Cephei				837) 24 Cephei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$22^h\ 6^m$		+5° 48′		$22^h\ 6^m$		+32° 47′		$22^h\ 8^m$		+57° 48′		$22^h\ 8^m$		+71° 57′	
Jan. 1.1	15.415	61	55.06	110	30.894	104	55.49	192	8.260	238	77.84	220	17.84	48	45.43	214
11.1	15.354	35	53.96	111	30.790	75	53.57	215	8.022	189	75.64	258	17.36	40	43.29	258
21.1	15.319	10	52.85	107	30.715	41	51.42	228	7.833	131	73.06	287	16.96	30	40.71	294
31.1	15.309	20	51.78	99	30.674	5	49.14	232	7.702	69	70.19	304	16.66	18	37.77	316
Feb. 10.0	15.329	50	50.79	86	30.669	34	46.82	227	7.633	0	67.15	309	16.48	6	34.61	328
20.0	15.379	81	49.93	66	30.703	74	44.55	212	7.633	72	64.06	301	16.42	8	31.33	325
März 2.0	15.460	113	49.27	43	30.777	117	42.43	188	7.705	143	61.05	282	16.50	20	28.08	310
12.0	15.573	147	48.84	15	30.894	158	40.55	156	7.848	214	58.23	251	16.70	33	24.98	282
21.9	15.720	180	48.69	15	31.052	200	38.99	116	8.062	280	55.72	210	17.03	45	22.16	245
31.9	15.900	210	48.84	47	31.252	236	37.83	71	8.342	340	53.62	162	17.48	54	19.71	197
Apr. 10.9	16.110	239	49.31	79	31.488	270	37.12	23	8.682	390	52.00	108	18.02	63	17.74	144
20.8	16.349	264	50.10	109	31.758	298	36.89	25	9.072	430	50.92	50	18.65	69	16.30	84
30.8	16.613	282	51.19	137	32.056	319	37.14	74	9.502	458	50.42	10	19.34	74	15.46	24
Mai 10.8	16.895	296	52.56	160	32.375	331	37.88	120	9.960	472	50.52	68	20.08	75	15.22	37
20.8	17.191	303	54.16	181	32.706	336	39.08	163	10.432	474	51.20	124	20.83	75	15.59	97
30.7	17.494	300	55.97	195	33.042	331	40.71	200	10.906	461	52.44	177	21.58	72	16.56	153
Juni 9.7	17.794	291	57.92	203	33.373	317	42.71	232	11.367	436	54.21	223	22.30	67	18.09	205
19.7	18.085	275	59.95	206	33.690	295	45.03	257	11.803	399	56.44	264	22.97	61	20.14	250
29.7	18.360	249	62.01	204	33.985	265	47.60	275	12.202	352	59.08	297	23.58	53	22.64	289
Juli 9.6	18.609	219	64.05	197	34.250	228	50.35	287	12.554	296	62.05	322	24.11	44	25.53	320
19.6	18.828	183	66.02	184	34.478	187	53.22	291	12.850	233	65.27	341	24.55	33	28.73	345
29.6	19.011	142	67.86	169	34.665	141	56.13	289	13.083	166	68.68	351	24.88	22	32.18	360
Aug. 8.5	19.153	100	69.55	150	34.806	92	59.02	280	13.249	96	72.19	354	25.10	11	35.78	368
18.5	19.253	57	71.05	129	34.898	44	61.82	267	13.345	25	75.73	348	25.21	1	39.46	369
28.5	19.310	13	72.34	107	34.942	3	64.49	247	13.370	43	79.21	336	25.20	12	43.15	361
Sept. 7.5	19.323	25	73.41	84	34.939	48	66.96	224	13.327	108	82.57	317	25.08	22	46.76	345
17.4	19.298	62	74.25	60	34.891	87	69.20	196	13.219	168	85.74	290	24.86	33	50.21	322
27.4	19.236	91	74.85	37	34.804	121	71.16	165	13.051	220	88.64	258	24.53	41	53.43	293
Okt. 7.4	19.145	115	75.22	16	34.683	148	72.81	130	12.831	264	91.22	220	24.12	50	56.36	256
17.4	19.030	131	75.38	5	34.535	168	74.11	93	12.567	300	93.42	177	23.62	55	58.92	213
27.3	18.899	140	75.33	25	34.367	180	75.04	54	12.267	325	95.19	128	23.07	61	61.05	164
Nov. 6.3	18.759	143	75.08	43	34.187	186	75.58	13	11.942	341	96.47	76	22.46	65	62.69	110
16.3	18.616	138	74.65	60	34.001	185	75.71	28	11.601	346	97.23	22	21.81	66	63.79	52
26.2	18.478	129	74.05	75	33.816	177	75.43	68	11.255	341	97.45	35	21.15	66	64.31	8
Dez. 6.2	18.349	114	73.30	89	33.639	164	74.75	109	10.914	327	97.10	91	20.49	64	64.23	69
16.2	18.235	97	72.41	100	33.475	145	73.66	145	10.587	301	96.19	145	19.85	60	63.54	128
26.2	18.138	75	71.41	108	33.330	122	72.21	177	10.286	267	94.74	195	19.25	54	62.26	184
36.1	18.063		70.33		33.208		70.44		10.019		92.79		18.71		60.42	
Mittl. Ort	15.920		48.70		31.280		41.83		8.730		58.80		18.69		24.37	
sec δ, tg δ	1.005		+0.102		1.190		+0.644		1.877		+1.588		3.229		+3.070	

Mittlere Zeit Greenw.	840) ϑ Aquarii AR.		840) ϑ Aquarii Dekl.		841) α Tucanae AR.		841) α Tucanae Dekl.		842) γ Aquarii AR.		842) γ Aquarii Dekl.		844) 3 Lacertae AR.		844) 3 Lacertae Dekl.	
1922	22h 12m		−8° 9′		22h 13m		−60° 38′		22h 17m		−1° 46′		22h 20m		+51° 50′	
Jan. 1.2	42.545	60	77.85	50	8.01	18	65.88	187	37.171	64	47.66	77	29.080	200	34.03	206
11.1	42.485	35	78.35	42	7.83	13	64.01	224	37.107	41	48.43	73	28.880	161	31.97	243
21.1	42.450	9	78.77	30	7.70	7	61.77	255	37.066	16	49.16	65	28.719	115	29.54	269
31.1	42.441	18	79.07	16	7.63	0	59.22	278	37.050	12	49.81	53	28.604	64	26.85	287
Feb. 10.0	42.459	48	79.23	1	7.63	6	56.44	295	37.062	41	50.34	38	28.540	8	23.98	292
20.0	42.507	80	79.22	20	7.69	13	53.49	306	37.103	71	50.72	19	28.532	52	21.06	285
März 2.0	42.587	111	79.02	42	7.82	19	50.43	309	37.174	104	50.91	4	28.584	113	18.21	267
12.0	42.698	143	78.60	64	8.01	26	47.34	306	37.278	137	50.87	28	28.697	174	15.54	238
21.9	42.841	176	77.96	87	8.27	31	44.28	297	37.415	170	50.59	55	28.871	233	13.16	200
31.9	43.017	207	77.09	109	8.58	37	41.31	282	37.585	201	50.04	81	29.104	287	11.16	153
Apr. 10.9	43.224	236	76.00	131	8.95	42	38.49	260	37.786	231	49.23	107	29.391	333	9.63	101
20.9	43.460	261	74.69	149	9.37	46	35.89	233	38.017	257	48.16	132	29.724	372	8.62	46
30.8	43.721	282	73.20	164	9.83	50	33.56	202	38.274	278	46.84	152	30.096	401	8.16	11
Mai 10.8	44.003	298	71.56	175	10.33	53	31.54	164	38.552	294	45.32	169	30.497	418	8.27	67
20.8	44.301	305	69.81	180	10.86	53	29.90	124	38.846	302	43.63	182	30.915	423	8.94	122
30.7	44.606	305	68.01	181	11.39	54	28.66	79	39.148	303	41.81	188	31.338	417	10.16	171
Juni 9.7	44.911	298	66.20	177	11.93	53	27.87	35	39.451	295	39.93	191	31.755	400	11.87	217
19.7	45.209	283	64.43	168	12.46	50	27.52	13	39.746	281	38.02	187	32.155	371	14.04	255
29.7	45.492	260	62.75	154	12.96	46	27.65	58	40.027	259	36.15	179	32.526	332	16.59	286
Juli 9.6	45.752	230	61.21	137	13.42	41	28.23	102	40.286	229	34.36	167	32.858	286	19.45	312
19.6	45.982	195	59.84	117	13.83	34	29.25	144	40.515	195	32.69	149	33.144	234	22.57	329
29.6	46.177	154	58.67	95	14.17	27	30.69	180	40.710	155	31.20	131	33.378	175	25.86	337
Aug. 8.5	46.331	112	57.72	71	14.44	20	32.49	209	40.865	113	29.89	109	33.553	114	29.23	340
18.5	46.443	67	57.01	48	14.64	10	34.58	231	40.978	70	28.80	86	33.667	53	32.63	335
28.5	46.510	24	56.53	25	14.74	2	36.89	246	41.048	28	27.94	64	33.720	7	35.98	323
Sept. 7.5	46.534	17	56.28	4	14.76	6	39.35	250	41.076	13	27.30	41	33.713	65	39.21	304
17.4	46.517	53	56.24	16	14.70	14	41.85	245	41.063	50	26.89	20	33.648	117	42.25	278
27.4	46.464	86	56.40	31	14.56	22	44.30	230	41.013	81	26.69	0	33.531	164	45.03	248
Okt. 7.4	46.378	110	56.71	45	14.34	27	46.60	205	40.932	105	26.69	17	33.367	203	47.51	212
17.4	46.268	127	57.16	54	14.07	31	48.65	173	40.827	123	26.86	32	33.164	237	49.63	169
27.3	46.141	139	57.70	61	13.76	35	50.38	132	40.704	134	27.18	45	32.927	259	51.32	125
Nov. 6.3	46.002	140	58.31	66	13.41	36	51.70	86	40.570	138	27.63	56	32.668	274	52.57	75
16.3	45.862	138	58.97	68	13.05	35	52.56	36	40.432	135	28.19	65	32.394	281	53.32	23
26.3	45.724	127	59.65	69	12.70	34	52.92	14	40.297	127	28.84	71	32.113	278	53.55	31
Dez. 6.2	45.597	114	60.34	66	12.36	31	52.78	66	40.170	115	29.55	77	31.835	268	53.24	83
16.2	45.483	96	61.00	62	12.05	27	52.12	115	40.055	98	30.32	79	31.567	250	52.41	134
26.2	45.387	74	61.62	56	11.78	22	50.97	160	39.957	78	31.11	79	31.317	222	51.07	181
36.1	45.313		62.18		11.56		49.37		39.879		31.90		31.095		49.26	
Mittl. Ort	43.149		80.03		10.29		56.78		37.686		51.48		29.372		16.01	
sec δ, tg δ	1.010		−0.143		2.040		−1.778		1.000		−0.031		1.619		+1.273	

Mittlere Zeit Greenw.	848) 7 Lacertae				850) η Aquarii			
	AR.		Dekl.		AR.		Dekl.	
1922	22h 28m		+49° 52′		22h 31m		−0° 30′	
Jan. 1.2	4.272	193	69.43	197	20.492	74	68.42	80
11.1	4.079	157	67.46	234	20.418	52	69.22	77
21.1	3.922	115	65.12	260	20.366	29	69.99	69
31.1	3.807	67	62.52	278	20.337	1	70.68	59
Feb. 10.1	3.740	15	59.74	284	20.336	26	71.27	44
20.0	3.725	42	56.90	278	20.362	57	71.71	25
März 2.0	3.767	100	54.12	261	20.419	90	71.96	3
12.0	3.867	160	51.51	233	20.509	123	71.99	22
21.9	4.027	216	49.18	196	20.632	157	71.77	48
31.9	4.243	269	47.22	151	20.789	190	71.29	76
Apr. 10.9	4.512	316	45.71	101	20.979	222	70.53	102
20.9	4.828	355	44.70	46	21.201	250	69.51	128
30.8	5.183	384	44.24	9	21.451	272	68.23	149
Mai 10.8	5.567	403	44.33	65	21.723	291	66.74	168
20.8	5.970	412	44.98	118	22.014	300	65.06	182
30.7	6.382	407	46.16	167	22.314	304	63.24	191
Juni 9.7	6.789	393	47.83	211	22.618	298	61.33	194
19.7	7.182	367	49.94	250	22.916	287	59.39	192
29.7	7.549	332	52.44	282	23.203	265	57.47	185
Juli 9.6	7.881	289	55.26	306	23.468	238	55.62	174
19.6	8.170	238	58.32	323	23.706	205	53.88	158
29.6	8.408	185	61.55	333	23.911	166	52.30	139
Aug. 8.6	8.593	125	64.88	335	24.077	126	50.91	119
18.5	8.718	66	68.23	331	24.203	82	49.72	95
28.5	8.784	9	71.54	318	24.285	41	48.77	72
Sept. 7.5	8.793	48	74.72	301	24.326	0	48.05	50
17.5	8.745	98	77.73	276	24.326	37	47.55	27
27.4	8.647	144	80.49	247	24.289	69	47.28	7
Okt. 7.4	8.503	183	82.96	210	24.220	95	47.21	11
17.4	8.320	214	85.06	171	24.125	115	47.32	28
27.3	8.106	238	86.77	127	24.010	127	47.60	42
Nov. 6.3	7.868	254	88.04	78	23.883	133	48.02	54
16.3	7.614	261	88.82	28	23.750	133	48.56	63
26.3	7.353	261	89.10	24	23.617	128	49.19	72
Dez. 6.2	7.092	252	88.86	76	23.489	117	49.91	77
16.2	6.840	237	88.10	126	23.372	104	50.68	81
26.2	6.603	213	86.84	172	23.268	86	51.49	83
36.1	6.390		85.12		23.182		52.32	
Mittl. Ort	4.485		51.78		20.927		72.12	
sec δ, tg δ	1.552		+1.187		1.000		−0.009	

Mittlere Zeit Greenw.	852) 10 Lacertae				855) ζ Pegasi			
	AR.		Dekl.		AR.		Dekl.	
1922	22h 35m		+38° 38′		22h 37m		+10° 25′	
Jan. 1.2	45.350	143	52.96	180	33.965	84	32.23	115
11.1	45.207	115	51.16	209	33.881	64	31.08	122
21.1	45.092	84	49.07	229	33.817	40	29.86	122
31.1	45.008	48	46.78	242	33.777	14	28.64	118
Feb. 10.1	44.960	6	44.36	244	33.763	16	27.46	106
20.0	44.954	38	41.92	235	33.779	47	26.40	91
März 2.0	44.992	84	39.57	218	33.826	82	25.49	68
12.0	45.076	132	37.39	189	33.908	116	24.81	43
21.9	45.208	179	35.50	154	34.024	153	24.38	11
31.9	45.387	223	33.96	112	34.177	187	24.27	21
Apr. 10.9	45.610	264	32.84	65	34.364	220	24.48	55
20.9	45.874	300	32.19	15	34.584	249	25.03	88
30.8	46.174	326	32.04	36	34.833	274	25.91	120
Mai 10.8	46.500	346	32.40	85	35.107	292	27.11	149
20.8	46.846	356	33.25	132	35.399	303	28.60	173
30.7	47.202	356	34.57	174	35.702	306	30.33	192
Juni 9.7	47.558	346	36.31	213	36.008	301	32.25	206
19.7	47.904	327	38.44	244	36.309	288	34.31	215
29.7	48.231	300	40.88	269	36.597	268	36.46	217
Juli 9.6	48.531	266	43.57	288	36.865	240	38.63	214
19.6	48.797	224	46.45	298	37.105	208	40.77	207
29.6	49.021	178	49.43	304	37.313	169	42.84	194
Aug. 8.6	49.199	129	52.47	301	37.482	128	44.78	178
18.5	49.328	79	55.48	293	37.610	85	46.56	158
28.5	49.407	29	58.41	278	37.695	44	48.14	138
Sept. 7.5	49.436	18	61.19	259	37.739	3	49.52	114
17.5	49.418	62	63.78	235	37.742	34	50.66	90
27.4	49.356	101	66.13	205	37.708	66	51.56	65
Okt. 7.4	49.255	133	68.18	172	37.642	93	52.21	42
17.4	49.122	159	69.90	136	37.549	113	52.63	19
27.3	48.963	179	71.26	95	37.436	127	52.82	5
Nov. 6.3	48.784	191	72.21	54	37.309	134	52.77	26
16.3	48.593	196	72.75	10	37.175	136	52.51	47
26.3	48.397	196	72.85	35	37.039	133	52.04	67
Dez. 6.2	48.201	189	72.50	80	36.906	124	51.37	84
16.2	48.012	177	71.70	121	36.782	112	50.53	99
26.2	47.835	158	70.49	159	36.670	97	49.54	111
36.1	47.677		68.90		36.573		48.43	
Mittl. Ort	45.513		37.97		34.273		25.39	
sec δ, tg δ	1.280		+0.800		1.017		+0.184	

Mittlere Zeit Greenw.	856) β Gruis				857) η Pegasi				859) λ Pegasi				860) ε Gruis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	$22^h 37^m$		−47° 17′		$22^h 39^m$		+29° 48′		$22^h 42^m$		+23° 9′		$22^h 43^m$		−51° 43′	
Jan. 1.2	59.605	140	44.24	113	20.435	117	58.67	163	46.140	105	27.73	148	49.526	168	49.15	126
11.1	59.465	104	43.11	149	20.318	94	57.04	186	46.035	84	26.25	164	49.358	129	47.89	166
21.1	59.361	64	41.62	182	20.224	67	55.18	200	45.951	58	24.61	174	49.229	86	46.23	200
31.1	59.297	24	39.80	209	20.157	36	53.18	208	45.893	30	22.87	178	49.143	40	44.23	230
Feb. 10.1	59.273	20	37.71	232	20.121	0	51.10	206	45.863	2	21.09	174	49.103	7	41.93	253
20.0	59.293	65	35.39	251	20.121	38	49.04	195	45.865	37	19.35	161	49.110	57	39.40	272
März 2.0	59.358	112	32.88	263	20.159	78	47.09	176	45.902	75	17.74	141	49.167	107	36.68	284
12.0	59.470	158	30.25	271	20.237	121	45.33	148	45.977	114	16.33	113	49.274	159	33.84	291
21.9	59.628	204	27.54	274	20.358	163	43.85	114	46.091	154	15.20	81	49.433	211	30.93	291
31.9	59.832	249	24.80	270	20.521	203	42.71	74	46.245	192	14.39	44	49.644	259	28.02	286
Apr. 10.9	60.081	292	22.10	262	20.724	241	41.97	30	46.437	228	13.95	3	49.903	306	25.16	275
20.9	60.373	329	19.48	247	20.965	274	41.67	15	46.665	259	13.92	39	50.209	348	22.41	258
30.8	60.702	363	17.01	227	21.239	300	41.82	60	46.924	286	14.31	79	50.557	384	19.83	235
Mai 10.8	61.065	387	14.74	203	21.539	319	42.42	104	47.210	304	15.10	119	50.941	413	17.48	207
20.8	61.452	405	12.71	172	21.858	329	43.46	145	47.514	317	16.29	153	51.354	432	15.41	173
30.8	61.857	412	10.99	138	22.187	332	44.91	181	47.831	319	17.82	185	51.786	442	13.68	136
Juni 9.7	62.269	409	9.61	99	22.519	324	46.72	212	48.150	314	19.67	211	52.228	440	12.32	95
19.7	62.678	396	8.62	60	22.843	309	48.84	238	48.464	301	21.78	230	52.668	427	11.37	51
29.7	63.074	371	8.02	17	23.152	285	51.22	256	48.765	279	24.08	245	53.095	403	10.86	6
Juli 9.6	63.445	337	7.85	25	23.437	254	53.78	269	49.044	250	26.53	252	53.498	366	10.80	38
19.6	63.782	293	8.10	66	23.691	217	56.47	275	49.294	214	29.05	253	53.864	321	11.18	81
29.6	64.075	242	8.76	104	23.908	175	59.22	274	49.508	176	31.58	249	54.185	267	11.99	122
Aug. 8.6	64.317	184	9.80	139	24.083	130	61.96	268	49.684	132	34.07	239	54.452	205	13.21	157
18.5	64.501	124	11.19	168	24.213	84	64.64	256	49.816	89	36.46	226	54.657	139	14.78	187
28.5	64.625	60	12.87	190	24.297	38	67.20	240	49.905	45	38.72	207	54.796	71	16.65	209
Sept. 7.5	64.685	1	14.77	204	24.335	5	69.60	219	49.950	3	40.79	185	54.867	3	18.74	224
17.5	64.684	59	16.81	211	24.330	46	71.79	194	49.953	36	42.64	161	54.870	60	20.98	230
27.4	64.625	112	18.92	209	24.284	81	73.73	166	49.917	70	44.25	134	54.810	119	23.28	225
Okt. 7.4	64.513	156	21.01	197	24.203	111	75.39	135	49.847	98	45.59	105	54.691	170	25.53	213
17.4	64.357	191	22.98	177	24.092	135	76.74	101	49.749	121	46.64	75	54.521	209	27.66	191
27.3	64.166	216	24.75	151	23.957	151	77.75	67	49.628	137	47.39	44	54.312	239	29.57	161
Nov. 6.3	63.950	230	26.26	117	23.806	162	78.42	30	49.491	146	47.83	11	54.073	256	31.18	124
16.3	63.720	233	27.43	80	23.644	167	78.72	8	49.345	151	47.94	20	53.817	262	32.42	83
26.3	63.487	225	28.23	39	23.477	165	78.64	45	49.194	150	47.74	51	53.555	257	33.25	38
Dez. 6.2	63.262	211	28.62	4	23.312	159	78.19	82	49.044	143	47.23	83	53.298	242	33.63	8
16.2	63.051	188	28.58	47	23.153	147	77.37	117	48.901	132	46.40	110	53.056	218	33.55	55
26.2	62.863	158	28.11	87	23.006	131	76.20	147	48.769	117	45.30	135	52.838	188	33.00	99
36.1	62.705		27.24		22.875		74.73		48.652		43.95		52.650		32.01	
Mittl. Ort	60.925		35.35		20.610		46.10		46.330		17.14		51.005		39.06	
sec δ, tg δ	1.474		−1.083		1.152		+0.573		1.087		+0.428		1.614		−1.267	

Mittlere Zeit Greenw.	863) ι Cephei AR.		863) ι Cephei Dekl.		864) λ Aquarii AR.		864) λ Aquarii Dekl.		865) ρ Indi AR.		865) ρ Indi Dekl.		866) δ Aquarii AR.		866) δ Aquarii Dekl.	
	$22^h 46^m$		$+65° 47'$		$22^h 48^m$		$-7° 59'$		$22^h 49^m$		$-70° 28'$		$22^h 50^m$		$-16° 13'$	
1922	s		″		s		″		s		″		s		″	
Jan. 1.2	53.91	39	44.22	174	32.348	83	41.45	52	12.00	40	99.96	192	30.221	87	71.40	21
11.1	53.52	33	42.48	223	32.265	64	41.97	41	11.60	33	98.04	237	30.134	67	71.61	5
21.1	53.19	28	40.25	262	32.201	41	42.38	29	11.27	23	95.67	276	30.067	44	71.66	15
31.1	52.91	19	37.63	290	32.160	16	42.67	14	11.04	15	92.91	306	30.023	18	71.51	34
Feb. 10.1	52.72	11	34.73	309	32.144	11	42.81	4	10.89	5	89.85	329	30.005	10	71.17	53
20.0	52.61	2	31.64	314	32.155	41	42.77	23	10.84	5	86.56	345	30.015	41	70.64	75
März 2.0	52.59	8	28.50	307	32.196	74	42.54	45	10.89	14	83.11	351	30.056	73	69.89	95
12.0	52.67	18	25.43	288	32.270	107	42.09	68	11.03	24	79.60	350	30.129	109	68.94	116
21.9	52.85	27	22.55	256	32.377	143	41.41	91	11.27	33	76.10	341	30.238	144	67.78	136
31.9	53.12	36	19.99	216	32.520	177	40.50	114	11.60	42	72.69	326	30.382	179	66.42	155
Apr. 10.9	53.48	44	17.83	168	32.697	210	39.36	135	12.02	51	69.43	303	30.561	212	64.87	170
20.9	53.92	49	16.15	113	32.907	241	38.01	155	12.53	57	66.40	274	30.773	245	63.17	182
30.8	54.41	55	15.02	57	33.148	267	36.46	170	13.10	64	63.66	238	31.018	271	61.35	191
Mai 10.8	54.96	58	14.45	3	33.415	286	34.76	182	13.74	69	61.28	199	31.289	292	59.44	195
20.8	55.54	59	14.48	62	33.701	301	32.94	189	14.43	72	59.29	153	31.581	307	57.49	193
30.8	56.13	59	15.10	118	34.002	307	31.05	191	15.15	74	57.76	105	31.888	315	55.56	187
Juni 9.7	56.72	58	16.28	171	34.309	306	29.14	187	15.89	74	56.71	54	32.203	313	53.69	176
19.7	57.30	53	17.99	219	34.615	295	27.27	178	16.63	72	56.17	1	32.516	304	51.93	160
29.7	57.83	49	20.18	260	34.910	278	25.49	165	17.35	67	56.16	50	32.820	287	50.33	139
Juli 9.6	58.32	43	22.78	296	35.188	253	23.84	148	18.02	62	56.66	102	33.107	262	48.94	115
19.6	58.75	36	25.74	324	35.441	221	22.36	128	18.64	54	57.68	149	33.369	230	47.79	90
29.6	59.11	28	28.98	345	35.662	185	21.08	104	19.18	45	59.17	191	33.599	193	46.89	61
Aug. 8.6	59.39	20	32.43	357	35.847	144	20.04	79	19.63	35	61.08	228	33.792	151	46.28	33
18.5	59.59	11	36.00	363	35.991	102	19.25	54	19.98	23	63.36	256	33.943	108	45.95	6
28.5	59.70	2	39.63	360	36.093	59	18.71	30	20.21	10	65.92	276	34.051	63	45.89	20
Sept. 7.5	59.72	6	43.23	350	36.152	18	18.41	6	20.31	1	68.68	286	34.114	21	46.09	43
17.5	59.66	14	46.73	333	36.170	20	18.35	15	20.30	14	71.54	284	34.135	20	46.52	62
27.4	59.52	21	50.06	308	36.150	54	18.50	33	20.16	25	74.38	271	34.115	56	47.14	77
Okt. 7.4	59.31	28	53.14	276	36.096	83	18.83	48	19.91	35	77.09	248	34.059	85	47.91	87
17.4	59.03	33	55.90	239	36.013	105	19.31	60	19.56	43	79.57	215	33.974	109	48.78	93
27.3	58.70	38	58.29	194	35.908	120	19.91	67	19.13	49	81.72	173	33.865	125	49.71	94
Nov. 6.3	58.32	42	60.23	145	35.788	128	20.58	72	18.64	54	83.45	123	33.740	135	50.65	91
16.3	57.90	45	61.68	90	35.660	132	21.30	74	18.10	56	84.68	68	33.605	137	51.56	84
26.3	57.45	46	62.58	33	35.528	128	22.04	73	17.54	56	85.36	10	33.468	135	52.40	74
Dez. 6.2	56.99	46	62.91	27	35.400	121	22.77	71	16.98	54	85.46	48	33.333	127	53.14	63
16.2	56.53	44	62.64	85	35.279	109	23.48	65	16.44	49	84.98	106	33.206	115	53.77	48
26.2	56.09	42	61.79	142	35.170	94	24.13	58	15.95	44	83.92	161	33.091	98	54.25	32
36.2	55.67		60.37		35.076		24.71		15.51		82.31		32.993		54.57	
Mittl. Ort	53.92		23.60		32.776		42.17		15.19		87.06		30.744		69.53	
sec δ, tg δ	2.439		+2.225		1.010		−0.140		2.994		−2.822		1.042		−0.291	

Mittlere Zeit Greenw.	867) α Pisc. austr.				869) ο Andromedae				870) β Pegasi				871) α Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1922	22h 53m		−30° 1′		22h 58m		+41° 54′		22h 59m		+27° 39′		23h 0m		+14° 47′	
Jan. 1.2	19.869	104	75.30	32	19.750	169	38.56	163	59.380	123	45.28	144	52.297	101	14.44	119
11.1	19.765	81	74.98	59	19.581	146	36.93	196	59.257	104	43.84	166	52.196	84	13.25	129
21.1	19.684	55	74.39	87	19.435	116	34.97	223	59.153	80	42.18	182	52.112	63	11.96	134
31.1	19.629	25	73.52	112	19.319	80	32.74	240	59.073	52	40.36	190	52.049	38	10.62	133
Feb. 10.1	19.604	7	72.40	136	19.239	39	30.34	248	59.021	20	38.46	189	52.011	10	9.29	126
20.0	19.611	40	71.04	157	19.200	7	27.86	244	59.001	17	36.57	181	52.001	22	8.03	113
März 2.0	19.651	76	69.47	177	19.207	56	25.42	232	59.018	56	34.76	164	52.023	57	6.90	93
12.0	19.727	114	67.70	193	19.263	107	23.10	209	59.074	98	33.12	139	52.080	93	5.97	68
22.0	19.841	153	65.77	207	19.370	159	21.01	177	59.172	140	31.73	108	52.173	132	5.29	39
31.9	19.994	190	63.70	216	19.529	208	19.24	138	59.312	182	30.65	71	52.305	170	4.90	5
Apr. 10.9	20.184	228	61.54	223	19.737	255	17.86	93	59.494	221	29.94	31	52.475	205	4.85	30
20.9	20.412	261	59.31	224	19.992	295	16.93	44	59.715	256	29.63	12	52.680	239	5.15	64
30.9	20.673	291	57.07	219	20.287	328	16.49	7	59.971	286	29.75	56	52.919	266	5.79	100
Mai 10.8	20.964	315	54.88	211	20.615	352	16.56	56	60.257	309	30.31	97	53.185	289	6.79	131
20.8	21.279	331	52.77	196	20.967	368	17.12	106	60.566	323	31.28	136	53.474	303	8.10	160
30.8	21.610	340	50.81	177	21.335	372	18.18	151	60.889	329	32.64	171	53.777	310	9.70	184
Juni 9.7	21.950	341	49.04	152	21.707	367	19.69	192	61.218	327	34.35	201	54.087	309	11.54	203
19.7	22.291	331	47.52	124	22.074	352	21.61	227	61.545	315	36.36	226	54.396	299	13.57	216
29.7	22.622	314	46.28	94	22.426	327	23.88	257	61.860	295	38.62	245	54.695	282	15.73	223
Juli 9.7	22.936	288	45.34	59	22.753	294	26.45	281	62.155	267	41.07	257	54.977	257	17.96	226
19.6	23.224	254	44.75	25	23.047	254	29.26	296	62.422	234	43.64	263	55.234	225	20.22	222
29.6	23.478	214	44.50	10	23.301	210	32.22	305	62.656	194	46.27	264	55.459	190	22.44	213
Aug. 8.6	23.692	169	44.60	43	23.511	160	35.27	308	62.850	153	48.91	257	55.649	150	24.57	200
18.6	23.861	122	45.03	74	23.671	110	38.35	304	63.003	108	51.48	247	55.799	108	26.57	183
28.5	23.983	72	45.77	100	23.781	59	41.39	293	63.111	63	53.95	232	55.907	66	28.40	164
Sept. 7.5	24.055	23	46.77	121	23.840	10	44.32	278	63.174	21	56.27	212	55.973	26	30.04	142
17.5	24.078	21	47.98	137	23.850	37	47.10	256	63.195	20	58.39	188	55.999	12	31.46	117
27.4	24.057	63	49.35	146	23.813	79	49.66	230	63.175	56	60.27	163	55.987	46	32.63	94
Okt. 7.4	23.994	97	50.81	148	23.734	115	51.96	199	63.119	86	61.90	133	55.941	74	33.57	68
17.4	23.897	125	52.29	144	23.619	146	53.95	164	63.033	112	63.23	103	55.867	98	34.25	42
27.4	23.772	144	53.73	133	23.473	170	55.59	125	62.921	131	64.26	71	55.769	115	34.67	18
Nov. 6.3	23.628	157	55.06	116	23.303	188	56.84	84	62.790	145	64.97	36	55.654	127	34.85	7
16.3	23.471	160	56.22	96	23.115	200	57.68	38	62.645	153	65.33	1	55.527	133	34.78	31
26.3	23.311	158	57.18	71	22.915	205	58.06	7	62.492	155	65.34	33	55.394	133	34.47	54
Dez. 6.2	23.153	150	57.89	45	22.710	203	57.99	53	62.337	153	65.01	67	55.261	131	33.93	75
16.2	23.003	135	58.34	16	22.507	196	57.46	98	62.184	146	64.34	100	55.130	122	33.18	95
26.2	22.868	117	58.50	13	22.311	183	56.48	139	62.038	133	63.34	129	55.008	111	32.23	111
36.2	22.751		58.37		22.128		55.09		61.905		62.05		54.897		31.12	
Mittl. Ort	20.611		69.39		19.716		22.97		59.428		33.71		52.438		6.88	
sec δ, tg δ	1.155		−0.578		1.344		+0.897		1.129		+0.524		1.034		+0.264	

Mittlere Zeit Greenw.	872) ϑ Gruis AR.		872) ϑ Gruis Dekl.		873) c^2 Aquarii AR.		873) c^2 Aquarii Dekl.		874) π Cephei AR.		874) π Cephei Dekl.		875) Br. 3077 AR.		875) Br. 3077 Dekl.	
1922	23h 2m		−43° 56′		23h 5m		−21° 35′		23h 5m		+74° 57′		23h 9m		+56° 44′	
Jan. 1.2	28.355	150	41.55	81	16.863	101	50.08	5	25.14	70	78.23	140	31.470	271	33.67	152
11.2	28.205	122	40.74	120	16.762	81	50.13	17	24.44	63	76.83	194	31.199	240	32.15	197
21.1	28.083	89	39.54	153	16.681	60	49.96	41	23.81	53	74.89	241	30.959	200	30.18	236
31.1	27.994	53	38.01	185	16.621	34	49.55	63	23.28	42	72.48	279	30.759	151	27.82	264
Feb. 10.1	27.941	15	36.16	211	16.587	6	48.92	85	22.86	27	69.69	305	30.608	93	25.18	282
20.0	27.926	27	34.05	234	16.581	25	48.07	109	22.59	13	66.64	319	30.515	28	22.36	289
März 2.0	27.953	69	31.71	252	16.606	59	46.98	129	22.46	2	63.45	321	30.487	42	19.47	283
12.0	28.022	115	29.19	264	16.665	95	45.69	149	22.48	19	60.24	310	30.529	114	16.64	267
22.0	28.137	161	26.55	272	16.760	132	44.20	168	22.67	34	57.14	285	30.643	187	13.97	238
31.9	28.298	205	23.83	273	16.892	168	42.52	184	23.01	48	54.29	251	30.830	255	11.59	202
Apr. 10.9	28.503	250	21.10	271	17.060	205	40.68	196	23.49	61	51.78	207	31.085	319	9.57	158
20.9	28.753	289	18.39	261	17.265	239	38.72	204	24.10	72	49.71	157	31.404	374	7.99	106
30.9	29.042	326	15.78	246	17.504	269	36.68	210	24.82	79	48.14	102	31.778	418	6.93	53
Mai 10.8	29.368	354	13.32	226	17.773	293	34.58	208	25.61	86	47.12	43	32.196	452	6.40	2
20.8	29.722	376	11.06	199	18.066	310	32.50	202	26.47	88	46.69	17	32.648	472	6.42	59
30.8	30.098	388	9.07	167	18.376	321	30.48	191	27.35	90	46.86	75	33.120	479	7.01	111
Juni 9.7	30.486	391	7.40	133	18.697	323	28.57	176	28.25	87	47.61	131	33.599	473	8.12	162
19.7	30.877	384	6.07	94	19.020	316	26.81	154	29.12	82	48.92	184	34.072	454	9.74	208
29.7	31.261	366	5.13	52	19.336	300	25.27	129	29.94	76	50.76	230	34.526	423	11.82	247
Juli 9.7	31.627	337	4.61	10	19.636	278	23.98	101	30.70	67	53.06	272	34.949	382	14.29	281
19.6	31.964	301	4.51	33	19.914	247	22.97	71	31.37	57	55.78	306	35.331	333	17.10	307
29.6	32.265	256	4.84	73	20.161	211	22.26	39	31.94	46	58.84	335	35.664	276	20.17	328
Aug. 8.6	32.521	204	5.57	110	20.372	170	21.87	8	32.40	34	62.19	354	35.940	214	23.45	339
18.6	32.725	149	6.67	144	20.542	126	21.79	22	32.74	21	65.73	367	36.154	150	26.84	345
28.5	32.874	90	8.11	172	20.668	80	22.01	50	32.95	9	69.40	372	36.304	85	30.29	342
Sept. 7.5	32.964	32	9.83	191	20.748	36	22.51	74	33.04	5	73.12	369	36.389	21	33.71	333
17.5	32.996	23	11.74	204	20.784	6	23.25	93	32.99	17	76.81	359	36.410	40	37.04	317
27.4	32.973	75	13.78	207	20.778	45	24.18	107	32.82	30	80.40	339	36.370	97	40.21	294
Okt. 7.4	32.898	118	15.85	203	20.733	76	25.25	116	32.52	40	83.79	314	36.273	148	43.15	266
17.4	32.780	156	17.88	189	20.657	103	26.41	119	32.12	50	86.93	280	36.125	194	45.81	230
27.4	32.624	182	19.77	168	20.554	123	27.60	116	31.62	59	89.73	240	35.931	232	48.11	190
Nov. 6.3	32.442	201	21.45	139	20.431	135	28.76	108	31.03	66	92.13	192	35.699	263	50.01	144
16.3	32.241	210	22.84	106	20.296	141	29.84	96	30.37	73	94.05	139	35.436	286	51.45	94
26.3	32.031	209	23.90	67	20.155	141	30.80	81	29.64	76	95.44	81	35.150	299	52.39	41
Dez. 6.3	31.822	201	24.57	27	20.014	135	31.61	62	28.88	78	96.25	20	34.851	305	52.80	14
16.2	31.621	186	24.84	15	19.879	125	32.23	42	28.10	76	96.45	43	34.546	301	52.66	68
26.2	31.435	164	24.69	55	19.754	111	32.65	20	27.34	74	96.02	103	34.245	287	51.98	122
36.2	31.271		24.14		19.643		32.85		26.60		94.99		33.958		50.76	
Mittl. Ort	29.403		31.72		17.389		45.87		24.73		56.43		31.217		14.77	
sec δ, tg δ	1.389		—0.963		1.075		—0.396		3.855		+3.723		1.823		+1.525	

Mittlere Zeit Greenw.	877) γ Tucanae AR.		Dekl.		879) γ Sculptoris AR.		Dekl.		880) τ Pegasi AR.		Dekl.	
	$23^h\,12^m$		$-58°\,39'$		$23^h\,14^m$		$-32°\,57'$		$23^h\,16^m$		$+23°\,18'$	
1922	s		″		s		″		s		″	
Jan. 1.2	51.477	254	62.21	127	36.252	126	33.85	31	46.461	122	56.95	127
11.2	51.223	214	60.94	173	36.126	105	33.54	64	46.339	106	55.68	146
21.1	51.009	168	59.21	214	36.021	80	32.90	94	46.233	86	54.22	158
31.1	50.841	116	57.07	249	35.941	53	31.96	123	46.147	62	52.64	165
Feb. 10.1	50.725	61	54.58	278	35.888	21	30.73	150	46.085	32	50.99	165
20.0	50.664	2	51.80	301	35.867	13	29.23	174	46.053	1	49.34	156
März 2.0	50.662	58	48.79	316	35.880	50	27.49	195	46.054	38	47.78	140
12.0	50.720	120	45.63	325	35.930	89	25.54	213	46.092	78	46.38	117
22.0	50.840	184	42.38	326	36.019	130	23.41	227	46.170	120	45.21	89
31.9	51.024	244	39.12	322	36.149	170	21.14	237	46.290	161	44.32	54
Apr. 10.9	51.268	304	35.90	309	36.319	210	18.77	243	46.451	201	43.78	17
20.9	51.572	359	32.81	292	36.529	248	16.34	243	46.652	237	43.61	22
30.9	51.931	407	29.89	266	36.777	282	13.91	238	46.889	269	43.83	61
Mai 10.8	52.338	448	27.23	235	37.059	309	11.53	227	47.158	294	44.44	100
20.8	52.786	479	24.88	199	37.368	331	9.26	211	47.452	312	45.44	136
30.8	53.265	498	22.89	157	37.699	344	7.15	190	47.764	321	46.80	167
Juni 9.7	53.763	505	21.32	112	38.043	348	5.25	164	48.085	321	48.47	194
19.7	54.268	499	20.20	65	38.391	343	3.61	133	48.406	314	50.41	216
29.7	54.767	479	19.55	14	38.734	329	2.28	99	48.720	297	52.57	232
Juli 9.7	55.246	447	19.41	35	39.063	307	1.29	62	49.017	273	54.89	242
19.6	55.693	401	19.76	84	39.370	275	0.67	25	49.290	243	57.31	245
29.6	56.094	344	20.60	129	39.645	237	0.42	13	49.533	207	59.76	244
Aug. 8.6	56.438	278	21.89	170	39.882	194	0.55	50	49.740	167	62.20	237
18.6	56.716	204	23.59	205	40.076	146	1.05	83	49.907	125	64.57	226
28.5	56.920	127	25.64	233	40.222	96	1.88	112	50.032	83	66.83	210
Sept. 7.5	57.047	48	27.97	251	40.318	47	3.00	137	50.115	41	68.93	189
17.5	57.095	31	30.48	261	40.365	0	4.37	155	50.156	1	70.82	168
27.4	57.064	104	33.09	259	40.365	44	5.92	165	50.157	34	72.50	144
Okt. 7.4	56.960	169	35.68	248	40.321	82	7.57	169	50.123	65	73.94	116
17.4	56.791	226	38.16	227	40.239	114	9.26	164	50.058	92	75.10	89
27.4	56.565	270	40.43	195	40.125	138	10.90	154	49.966	112	75.99	59
Nov. 6.3	56.295	302	42.38	156	39.987	154	12.44	136	49.854	127	76.58	29
16.3	55.993	321	43.94	111	39.833	163	13.80	113	49.727	137	76.87	2
26.3	55.672	325	45.05	61	39.670	166	14.93	85	49.590	142	76.85	31
Dez. 6.3	55.347	319	45.66	9	39.504	161	15.78	55	49.448	142	76.54	61
16.2	55.028	300	45.75	45	39.343	151	16.33	23	49.306	139	75.93	89
26.2	54.728	273	45.30	95	39.192	136	16.56	11	49.167	130	75.04	114
36.2	54.455		44.35		39.056		16.45		49.037		73.90	
Mittl. Ort	53.129		48.99		36.935		25.95		46.432		47.12	
sec δ, tg δ	1.923		—1.642		1.192		—0.648		1.089		+0.431	

Mittlere Zeit Greenw.	882) 4 Cassiopeiae AR.		Dekl.		884) ϰ Piscium AR.		Dekl.		885) 70 Pegasi AR.		Dekl.	
1922	23h 21m s		+61° 51′ ″		23h 22m s		+0° 49′ ″		23h 25m s		+12° 19′ ″	
Jan. 1.2	22.39	35	35.48	135	55.882	101	44.36	79	12.481	110	53.94	104
11.2	22.04	32	34.13	185	55.781	87	43.57	75	12.371	95	52.90	112
21.1	21.72	27	32.28	228	55.694	70	42.82	69	12.276	79	51.78	116
31.1	21.45	22	30.00	262	55.624	49	42.13	59	12.197	58	50.62	114
Feb. 10.1	21.23	14	27.38	285	55.575	25	41.54	46	12.139	31	49.48	107
20.1	21.09	7	24.53	297	55.550	5	41.08	28	12.108	2	48.41	95
März 2.0	21.02	0	21.56	297	55.555	36	40.80	8	12.106	32	47.46	77
12.0	21.02	10	18.59	284	55.591	71	40.72	16	12.138	69	46.69	54
22.0	21.12	17	15.75	261	55.662	109	40.88	41	12.207	107	46.15	26
31.9	21.29	26	13.14	227	55.771	145	41.29	68	12.314	146	45.89	3
Apr. 10.9	21.55	34	10.87	184	55.916	182	41.97	95	12.460	185	45.92	36
20.9	21.89	40	9.03	136	56.098	217	42.92	121	12.645	220	46.28	69
30.9	22.29	46	7.67	82	56.315	247	44.13	144	12.865	251	46.97	101
Mai 10.8	22.75	50	6.85	27	56.562	272	45.57	164	13.116	277	47.98	131
20.8	23.25	52	6.58	30	56.834	290	47.21	181	13.393	295	49.29	157
30.8	23.77	54	6.88	86	57.124	303	49.02	191	13.688	307	50.86	179
Juni 9.8	24.31	53	7.74	138	57.427	305	50.93	198	13.995	310	52.65	197
19.7	24.84	51	9.12	187	57.732	301	52.91	198	14.305	304	54.62	208
29.7	25.35	48	10.99	231	58.033	287	54.89	194	14.609	291	56.70	215
Juli 9.7	25.83	44	13.30	268	58.320	268	56.83	184	14.900	270	58.85	215
19.6	26.27	38	15.98	300	58.588	240	58.67	170	15.170	242	61.00	211
29.6	26.65	32	18.98	323	58.828	208	60.37	153	15.412	209	63.11	202
Aug. 8.6	26.97	25	22.21	341	59.036	171	61.90	131	15.621	172	65.13	188
18.6	27.22	18	25.62	350	59.207	131	63.21	109	15.793	133	67.01	171
28.5	27.40	11	29.12	352	59.338	91	64.30	85	15.926	91	68.72	151
Sept. 7.5	27.51	4	32.64	347	59.429	52	65.15	60	16.017	52	70.23	129
17.5	27.55	4	36.11	335	59.481	13	65.75	37	16.069	14	71.52	106
27.4	27.51	10	39.46	315	59.494	22	66.12	16	16.083	20	72.58	83
Okt. 7.4	27.41	17	42.61	290	59.472	51	66.28	6	16.063	51	73.41	59
17.4	27.24	22	45.51	256	59.421	76	66.22	22	16.012	76	74.00	35
27.4	27.02	27	48.07	217	59.345	95	66.00	38	15.936	96	74.35	13
Nov. 6.3	26.75	31	50.24	172	59.250	109	65.62	51	15.840	111	74.48	9
16.3	26.44	34	51.96	122	59.141	118	65.11	62	15.729	120	74.39	30
26.3	26.10	36	53.18	68	59.023	121	64.49	69	15.609	126	74.09	50
Dez. 6.3	25.74	37	53.86	12	58.902	121	63.80	75	15.483	126	73.59	67
16.2	25.37	38	53.98	46	58.781	116	63.05	79	15.357	123	72.92	84
26.2	24.99	36	53.52	102	58.665	108	62.26	80	15.234	117	72.08	98
36.2	24.63		52.50		58.557		61.46		15.117		71.10	
Mittl. Ort	21.92		15.74		56.027		42.18		12.499		47.95	
sec δ, tg δ	2.120		+1.869		1.000		+0.014		1.024		+0.219	

Mittlere Zeit Greenw.	891) ι Andromedae AR.		891) ι Andromedae Dekl.		892) ι Piscium AR.		892) ι Piscium Dekl.		893) γ Cephei AR.		893) γ Cephei Dekl.	
1922	$23^h 34^m$		$+42° 50'$		$23^h 35^m$		$+5° 12'$		$23^h 36^m$		$+77° 11'$	
Jan. 1.2	18.687	189	24.95	129	56.219	108	15.08	88	9.36	88	70.85	94
11.2	18.498	174	23.66	165	56.111	96	14.20	88	8.48	81	69.91	152
21.1	18.324	151	22.01	197	56.015	81	13.32	86	7.67	72	68.39	206
31.1	18.173	121	20.04	219	55.934	60	12.46	80	6.95	60	66.33	250
Feb. 10.1	18.052	84	17.85	234	55.874	38	11.66	69	6.35	45	63.83	285
20.1	17.968	40	15.51	238	55.836	9	10.97	54	5.90	29	60.98	308
März 2.0	17.928	8	13.13	233	55.827	23	10.43	35	5.61	10	57.90	318
12.0	17.936	61	10.80	216	55.850	58	10.08	12	5.51	7	54.72	315
22.0	17.997	116	8.64	192	55.908	97	9.96	15	5.58	27	51.57	301
31.9	18.113	169	6.72	158	56.005	134	10.11	41	5.85	44	48.56	274
Apr. 10.9	18.282	222	5.14	119	56.139	173	10.52	71	6.29	60	45.82	238
20.9	18.504	268	3.95	74	56.312	209	11.23	98	6.89	74	43.44	193
30.9	18.772	309	3.21	26	56.521	240	12.21	125	7.63	86	41.51	142
Mai 10.8	19.081	341	2.95	22	56.761	268	13.46	150	8.49	95	40.09	86
20.8	19.422	364	3.17	70	57.029	289	14.96	169	9.44	101	39.23	29
30.8	19.786	378	3.87	117	57.318	301	16.65	185	10.45	103	38.94	30
Juni 9.8	20.164	380	5.04	159	57.619	307	18.50	196	11.48	103	39.24	87
19.7	20.544	372	6.63	197	57.926	304	20.46	201	12.51	100	40.11	142
29.7	20.916	354	8.60	230	58.230	293	22.47	200	13.51	95	41.53	192
Juli 9.7	21.270	327	10.90	257	58.523	274	24.47	196	14.46	86	43.45	238
19.7	21.597	294	13.47	278	58.797	248	26.43	185	15.32	76	45.83	278
29.6	21.891	253	16.25	291	59.045	217	28.28	171	16.08	65	48.61	312
Aug. 8.6	22.144	208	19.16	299	59.262	182	29.99	153	16.73	51	51.73	338
18.6	22.352	159	22.15	301	59.444	143	31.52	133	17.24	38	55.11	357
28.5	22.511	110	25.16	295	59.587	104	32.85	109	17.62	24	58.68	369
Sept. 7.5	22.621	61	28.11	284	59.691	64	33.94	87	17.86	9	62.37	374
17.5	22.682	14	30.95	268	59.755	27	34.81	63	17.95	6	66.11	370
27.5	22.696	31	33.63	246	59.782	8	35.44	40	17.89	21	69.81	358
Okt. 7.4	22.665	70	36.09	220	59.774	39	35.84	18	17.68	34	73.39	339
17.4	22.595	106	38.29	189	59.735	65	36.02	1	17.34	47	76.78	311
27.4	22.489	136	40.18	154	59.670	85	36.01	20	16.87	59	79.89	277
Nov. 6.3	22.353	160	41.72	115	59.585	101	35.81	36	16.28	69	82.66	234
16.3	22.193	180	42.87	74	59.484	112	35.45	50	15.59	79	85.00	184
26.3	22.013	193	43.61	30	59.372	118	34.95	62	14.80	85	86.84	130
Dez. 6.3	21.820	201	43.91	16	59.254	120	34.33	73	13.95	89	88.14	69
16.2	21.619	202	43.75	60	59.134	118	33.60	81	13.06	92	88.83	7
26.2	21.417	198	43.15	104	59.016	113	32.79	86	12.14	90	88.90	56
36.2	21.219		42.11		58.903		31.93		11.24		88.34	
Mittl. Ort	18.341		9.78		56.244		11.92		7.99		49.15	
sec δ, tg δ	1.364		+0.927		1.004		+0.091		4.513		+4.401	

Mittlere Zeit Greenw.	894) ω² Aquarii AR.		Dekl.		895) 41 H. Cephei AR.		Dekl.		896) Lac. δ Sculptoris AR.		Dekl.	
	$23^h\ 38^m$		−14° 58′		$23^h\ 44^m$		+67° 22′		$23^h\ 44^m$		−28° 33′	
1922	s		″		s		″		s		″	
Jan. 1.2	40.476	111	38.46	38	11.15	46	44.40	100	51.506	134	50.59	2
11.2	40.365	99	38.84	19	10.69	44	43.40	154	51.372	120	50.61	30
21.2	40.266	83	39.03	2	10.25	38	41.86	204	51.252	101	50.31	60
31.1	40.183	63	39.01	22	9.87	33	39.82	245	51.151	79	49.71	91
Feb. 10.1	40.120	39	38.79	44	9.54	25	37.37	276	51.072	52	48.80	119
20.1	40.081	10	38.35	68	9.29	15	34.61	296	51.020	22	47.61	145
März 2.0	40.071	21	37.67	90	9.14	6	31.65	304	50.998	13	46.16	170
12.0	40.092	56	36.77	113	9.08	4	28.61	299	51.011	50	44.46	192
22.0	40.148	94	35.64	135	9.12	16	25.62	283	51.061	90	42.54	210
31.9	40.242	132	34.29	155	9.28	26	22.79	255	51.151	132	40.44	225
Apr. 10.9	40.374	170	32.74	174	9.54	35	20.24	219	51.283	173	38.19	236
20.9	40.544	207	31.00	189	9.89	44	18.05	174	51.456	213	35.83	243
30.9	40.751	240	29.11	201	10.33	52	16.31	124	51.669	249	33.40	243
Mai 10.9	40.991	269	27.10	207	10.85	57	15.07	69	51.918	281	30.97	238
20.8	41.260	291	25.03	209	11.42	61	14.38	12	52.199	306	28.59	228
30.8	41.551	306	22.94	205	12.03	64	14.26	44	52.505	325	26.31	212
Juni 9.8	41.857	313	20.89	196	12.67	64	14.70	99	52.830	334	24.19	190
19.7	42.170	312	18.93	181	13.31	62	15.69	151	53.164	334	22.29	164
29.7	42.482	302	17.12	163	13.93	60	17.20	198	53.498	326	20.65	133
Juli 9.7	42.784	285	15.49	139	14.53	55	19.18	242	53.824	310	19.32	99
19.7	43.069	259	14.10	113	15.08	49	21.60	279	54.134	284	18.33	62
29.6	43.328	229	12.97	83	15.57	42	24.39	308	54.418	252	17.71	24
Aug. 8.6	43.557	192	12.14	54	15.99	35	27.47	332	54.670	213	17.47	13
18.6	43.749	153	11.60	23	16.34	27	30.79	349	54.883	171	17.60	49
28.5	43.902	110	11.37	7	16.61	18	34.28	357	55.054	126	18.09	82
Sept. 7.5	44.012	69	11.44	33	16.79	9	37.85	358	55.180	79	18.91	111
17.5	44.081	29	11.77	57	16.88	1	41.43	353	55.259	35	20.02	134
27.5	44.110	8	12.34	77	16.89	7	44.96	339	55.294	8	21.36	151
Okt. 7.4	44.102	41	13.11	92	16.82	15	48.35	319	55.286	46	22.87	161
17.4	44.061	69	14.03	101	16.67	23	51.54	290	55.240	78	24.48	163
27.4	43.992	92	15.04	106	16.44	29	54.44	255	55.162	106	26.11	158
Nov. 6.4	43.900	109	16.10	106	16.15	35	56.99	213	55.056	125	27.69	147
16.3	43.791	120	17.16	101	15.80	41	59.12	165	54.931	140	29.16	130
26.3	43.671	126	18.17	93	15.39	44	60.77	112	54.791	147	30.46	107
Dez. 6.3	43.545	127	19.10	80	14.95	46	61.89	55	54.644	150	31.53	81
16.2	43.418	124	19.90	66	14.49	49	62.44	5	54.494	148	32.34	52
26.2	43.294	118	20.56	49	14.00	47	62.39	63	54.346	139	32.86	21
36.2	43.176		21.05		13.53		61.76		54.207		33.07	
Mittl. Ort	40.720		34.68		10.20		24.13		51.920		42.29	
sec δ, tg δ	1.035		−0.267		2.599		+2.399		1.139		−0.544	

Mittlere Zeit Greenw.	898) φ Pegasi AR.		898) φ Pegasi Dekl.		902) ω Piscium AR.		902) ω Piscium Dekl.		903) ε Tucanae AR.		903) ε Tucanae Dekl.	
1922	$23^h 48^m$		+18° 41′		$23^h 55^m$		+6° 25′		$23^h 55^m$		−66° 0′	
	s		″		s		″		s		″	
Jan. 1.2	31.221	125	20.47	104	18.381	114	56.09	86	50.59	41	57.05	103
11.2	31.096	116	19.43	118	18.267	107	55.23	87	50.18	37	56.02	156
21.2	30.980	101	18.25	129	18.160	94	54.36	86	49.81	32	54.46	206
31.1	30.879	83	16.96	134	18.066	78	53.50	81	49.49	27	52.40	248
Feb. 10.1	30.796	58	15.62	132	17.988	55	52.69	71	49.22	20	49.92	285
20.1	30.738	28	14.30	125	17.933	29	51.98	58	49.02	13	47.07	314
März 2.0	30.710	6	13.05	112	17.904	3	51.40	40	48.89	6	43.93	337
12.0	30.716	44	11.93	91	17.907	38	51.00	18	48.83	3	40.56	350
22.0	30.760	85	11.02	66	17.945	77	50.82	7	48.86	11	37.06	356
Apr. 1.0	30.845	127	10.36	37	18.022	116	50.89	34	48.97	18	33.50	356
11.0	30.972	169	9.99	3	18.138	155	51.23	62	49.15	27	29.94	346
20.9	31.141	208	9.96	31	18.293	194	51.85	90	49.42	35	26.48	330
30.9	31.349	243	10.27	67	18.487	229	52.75	118	49.77	42	23.18	306
Mai 10.9	31.592	272	10.94	100	18.716	258	53.93	143	50.19	49	20.12	276
20.8	31.864	295	11.94	132	18.974	281	55.36	163	50.68	53	17.36	239
30.8	32.159	311	13.26	159	19.255	298	56.99	181	51.21	57	14.97	196
Juni 9.8	32.470	316	14.85	184	19.553	306	58.80	193	51.78	61	13.01	149
19.8	32.786	315	16.69	201	19.859	307	60.73	200	52.39	61	11.52	98
29.7	33.101	304	18.70	215	20.166	298	62.73	202	53.00	60	10.54	44
Juli 9.7	33.405	287	20.85	223	20.464	282	64.75	198	53.60	58	10.10	11
19.7	33.692	261	23.08	224	20.746	259	66.73	190	54.18	54	10.21	65
29.6	33.953	230	25.32	221	21.005	231	68.63	176	54.72	49	10.86	116
Aug. 8.6	34.183	194	27.53	213	21.236	197	70.39	160	55.21	41	12.02	165
18.6	34.377	156	29.66	201	21.433	161	71.99	140	55.62	33	13.67	208
28.6	34.533	116	31.67	184	21.594	121	73.39	118	55.95	25	15.75	244
Sept. 7.5	34.649	76	33.51	165	21.715	84	74.57	95	56.20	14	18.19	269
17.5	34.725	38	35.16	144	21.799	46	75.52	72	56.34	5	20.88	287
27.5	34.763	2	36.60	122	21.845	10	76.24	48	56.39	5	23.75	292
Okt. 7.5	34.765	30	37.82	97	21.855	20	76.72	27	56.34	15	26.67	287
17.4	34.735	57	38.79	72	21.835	48	76.99	6	56.19	22	29.54	270
27.4	34.678	81	39.51	48	21.787	71	77.05	12	55.97	31	32.24	241
Nov. 6.4	34.597	100	39.99	22	21.716	88	76.93	29	55.66	36	34.65	204
16.3	34.497	114	40.21	3	21.628	103	76.64	44	55.30	40	36.69	158
26.3	34.383	124	40.18	27	21.525	112	76.20	57	54.90	43	38.27	106
Dez. 6.3	34.259	130	39.91	51	21.413	118	75.63	68	54.47	44	39.33	49
16.3	34.129	132	39.40	73	21.295	120	74.95	77	54.03	44	39.82	8
26.2	33.997	129	38.67	93	21.175	118	74.18	82	53.59	42	39.74	68
36.2	33.868		37.74		21.057		73.36		53.17		39.06	
Mittl. Ort	31.033		13.15		18.280		53.26		52.35		40.16	
sec δ, tg δ	1.055		+0.338		1.006		+0.113		2.460		−2.247	

Bibl. Jag

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 57^m$	in ^{s} 0.01	+85° 50′	in ″ 0.01	$1^h 32^m$	in ^{s} 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 21′	in ″ 0.01
Jan. 0	$58^s.86$	+3	41″.77	+7	$91^s.98$	+13	33″.44	+6	$49^s.71$	+6	0″.04	+3
1	58.57	+1	41.85	+7	90.94	+3	33.57	+6	49.60	+4	0.32	+4
2	58.28	−2	41.92	+5	89.89	−6	33.69	+6	49.48	+2	0.60	+6
3	57.99	−4	41.98	+3	88.83	−15	33.81	+4	49.35	−1	0.88	+6
4	57.70	−6	42.04	+1	87.77	−23	33.92	+2	49.23	−4	1.16	+5
5	57.41	−7	42.09	−2	86.70	−27	34.03	−1	49.09	−6	1.43	+4
6	57.12	−7	42.13	−5	85.63	−27	34.13	−4	48.96	−8	1.70	+1
7	56.83	−6	42.17	−8	84.55	−22	34.22	−7	48.82	−9	1.96	−2
8	56.54	−3	42.20	−10	83.47	−13	34.31	−9	48.67	−8	2.22	−5
9	56.25	0	42.22	−10	82.38	−2	34.39	−10	48.52	−6	2.48	−8
10	55.96	+3	42.24	−8	81.28	+10	34.47	−9	48.37	−3	2.73	−9
11	55.67	+6	42.25	−5	80.18	+20	34.54	−6	48.21	+1	2.98	−8
12	55.37	+7	42.26	−1	79.08	+24	34.60	−2	48.05	+4	3.22	−5
13	55.08	+6	42.25	+3	77.97	+22	34.66	+2	47.88	+6	3.46	−2
14	54.79	+4	42.24	+6	76.86	+15	34.71	+6	47.71	+7	3.69	+2
15	54.50	+1	42.23	+8	75.75	+3	34.75	+8	47.54	+5	3.92	+6
16	54.20	−3	42.21	+7	74.63	−10	34.78	+8	47.36	+3	4.15	+8
17	53.91	−6	42.18	+5	73.52	−19	34.81	+6	47.18	0	4.37	+8
18	53.62	−7	42.14	+2	72.40	−24	34.83	+3	47.00	−3	4.59	+7
19	53.33	−6	42.10	−1	71.27	−21	34.85	0	46.81	−4	4.80	+3
20	53.04	−4	42.05	−4	70.15	−13	34.86	−3	46.62	−5	5.01	0
21	52.75	−1	41.99	−5	69.03	−2	34.86	−5	46.42	−3	5.21	−3
22	52.47	+3	41.93	−4	67.91	+10	34.85	−5	46.22	−1	5.40	−5
23	52.18	+6	41.86	−2	66.79	+20	34.84	−3	46.02	+2	5.59	−6
24	51.89	+7	41.79	0	65.67	+27	34.82	−1	45.81	+5	5.78	−5
25	51.61	+8	41.71	+3	64.56	+28	34.80	+2	45.60	+7	5.96	−3
26	51.33	+7	41.62	+5	63.44	+24	34.77	+4	45.39	+7	6.13	−1
27	51.05	+5	41.53	+7	62.33	+17	34.73	+6	45.17	+7	6.30	+2
28	50.77	+2	41.43	+7	61.22	+8	34.69	+7	44.95	+6	6.47	+4
29	50.49	−1	41.33	+6	60.12	−3	34.64	+6	44.73	+3	6.63	+6
30	50.21	−3	41.22	+4	59.02	−12	34.58	+5	44.50	+1	6.78	+6
31	49.93	−5	41.10	+2	57.92	−20	34.52	+3	44.27	−3	6.93	+6
Febr. 1	49.66	−7	40.98	−1	56.83	−26	34.45	0	44.04	−5	7.07	+5
2	49.39	−7	40.85	−4	55.74	−27	34.37	−3	43.81	−8	7.20	+2
3	49.12	−7	40.72	−7	54.66	−25	34.29	−6	43.57	−9	7.33	−1
4	48.86	−5	40.58	−9	53.59	−17	34.20	−9	43.33	−9	7.46	−4
5	48.59	−2	40.43	−10	52.52	−7	34.10	−10	43.09	−8	7.58	−7
6	48.33	+2	40.28	−9	51.45	+5	34.00	−10	42.85	−5	7.69	−9
sec δ, tg δ	85° 50′ 40″	13.800	+13.764		88° 53′ 30″	51.698	+51.689		85° 21′ 0″	12.335	+12.295	
	50	13.809	+13.773		40	51.829	+51.819		10	12.343	+12.302	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 4^m$	in s 0.01	+87° 10′	in ″ 0.01	$9^h\ 26^m$	in s 0.01	+81° 40′	in ″ 0.01	$16^h\ 53^m$	in s 0.01	+82° 9′	in ″ 0.01
Jan. 0	56.39	+10	14.65	−2	9.85	+3	1.85	−5	43.45	−2	64.21	−3
1	56.53	+9	14.96	+1	9.98	+3	2.04	−3	43.51	−1	63.87	−5
2	56.66	+7	15.28	+3	10.11	+3	2.23	0	43.57	0	63.54	−6
3	56.78	+4	15.59	+5	10.23	+3	2.42	+3	43.63	+1	63.21	−6
4	56.89	0	15.90	+7	10.35	+1	2.62	+6	43.70	+2	62.89	−5
5	56.99	−5	16.22	+7	10.47	0	2.82	+7	43.77	+2	62.56	−4
6	57.09	−9	16.54	+6	10.59	−2	3.03	+9	43.84	+3	62.24	−1
7	57.17	−13	16.86	+4	10.71	−4	3.24	+8	43.91	+3	61.92	+2
8	57.25	−15	17.18	+1	10.83	−5	3.46	+7	43.99	+3	61.60	+5
9	57.31	−14	17.50	−2	10.94	−5	3.68	+4	44.07	+2	61.29	+7
10	57.37	−11	17.82	−5	11.05	−5	3.90	0	44.15	0	60.98	+8
11	57.42	−6	18.14	−7	11.16	−3	4.13	−3	44.24	−1	60.68	+7
12	57.46	0	18.46	−7	11.26	−1	4.36	−6	44.32	−2	60.38	+5
13	57.49	+6	18.78	−5	11.36	+1	4.60	−7	44.42	−2	60.08	+1
14	57.51	+10	19.10	−2	11.46	+3	4.84	−6	44.51	−2	59.79	−3
15	57.52	+12	19.42	+1	11.56	+4	5.09	−3	44.61	−2	59.50	−6
16	57.53	+11	19.74	+5	11.65	+5	5.33	0	44.71	−1	59.21	−8
17	57.52	+7	20.06	+7	11.74	+4	5.58	+3	44.81	+1	58.93	−8
18	57.51	+2	20.39	+7	11.83	+2	5.84	+5	44.91	+1	58.65	−6
19	57.48	−3	20.71	+5	11.92	0	6.10	+5	45.02	+2	58.37	−2
20	57.45	−6	21.03	+3	12.00	−2	6.36	+4	45.13	+1	58.10	+1
21	57.41	−7	21.35	−1	12.08	−3	6.63	+2	45.24	+1	57.83	+4
22	57.36	−5	21.66	−4	12.16	−3	6.89	−2	45.36	0	57.57	+6
23	57.30	−2	21.98	−7	12.23	−2	7.17	−4	45.48	−1	57.31	+7
24	57.23	+1	22.29	−8	12.30	−1	7.44	−7	45.60	−2	57.06	+5
25	57.15	+5	22.60	−7	12.37	0	7.72	−8	45.72	−3	56.81	+3
26	57.07	+8	22.92	−6	12.44	+2	8.00	−8	45.84	−3	56.57	+1
27	56.97	+10	23.23	−3	12.50	+3	8.28	−6	45.96	−2	56.33	−2
28	56.87	+10	23.53	−1	12.56	+3	8.56	−4	46.09	−2	56.10	−4
29	56.75	+9	23.84	+2	12.62	+4	8.85	−1	46.22	−1	55.87	−6
30	56.63	+6	24.15	+5	12.68	+3	9.14	+2	46.35	0	55.65	−6
31	56.50	+2	24.46	+6	12.73	+2	9.43	+5	46.48	+1	55.43	−6
Febr. 1	56.36	−3	24.76	+7	12.78	+1	9.73	+7	46.61	+2	55.22	−5
2	56.22	−8	25.06	+7	12.82	−1	10.02	+8	46.75	+3	55.02	−2
3	56.06	−12	25.36	+5	12.86	−3	10.32	+9	46.89	+3	54.82	+1
4	55.90	−14	25.65	+3	12.90	−4	10.62	+8	47.03	+3	54.62	+4
5	55.73	−15	25.95	0	12.94	−5	10.92	+5	47.17	+2	54.43	+7
6	55.55	−13	26.24	−4	12.98	−5	11.23	+2	47.31	+1	54.25	+8
sec δ, tg δ	87° 10′ 20″	20.270	+20.245		81° 40′ 0″	6.900	+6.827		82° 9′ 50″	7.335	+7.266	
	30	20.290	+20.265		10	6.902	+6.829		60	7.337	+7.269	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 56^m$	in s 0.01	+86° 36′	in ″ 0.01	$18^h 55^m$	in s 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in s 0.01	+82° 14′	in ″ 0.01
Jan. 0	59.20	− 6	56.77	− 1	19.86	−24	39.76	+ 3	14.03	− 1	56.63	+ 6
1	59.22	− 5	56.43	− 3	19.54	−25	39.43	+ 1	13.93	− 2	56.35	+ 3
2	59.24	− 3	56.09	− 5	19.24	−22	39.10	− 2	13.83	− 2	56.08	+ 1
3	59.27	0	55.75	− 6	18.97	−15	38.77	− 4	13.73	− 2	55.82	− 2
4	59.31	+ 3	55.41	− 7	18.73 18.51	− 6 + 6	38.45 38.12	− 7 − 7	13.64	− 2	55.54	− 5
5	59.35	+ 6	55.08	− 6	18.32	+18	37.79	− 7	13.55	− 2	55.27	− 7
6	59.40	+ 8	54.74	− 3	18.15	+28	37.46	− 5	13.46	0	54.99	− 8
7	59.46	+ 9	54.41	0	18.01	+35	37.13	− 3	13.38	+ 1	54.71	− 8
8	59.53	+ 9	54.07	+ 3	17.90	+37	36.80	+ 1	13.29	+ 2	54.42	− 7
9	59.61	+ 7	53.74	+ 5	17.81	+32	36.47	+ 4	13.21	+ 3	54.13	− 4
10	59.69	+ 4	53.41	+ 7	17.75	+22	36.14	+ 6	13.13	+ 3	53.84	− 1
11	59.78	0	53.08	+ 7	17.71	+ 8	35.81	+ 7	13.06	+ 3	53.54	+ 3
12	59.88	− 3	52.76	+ 6	17.70	− 8	35.48	+ 6	12.99	+ 2	53.24	+ 6
13	59.99	− 6	52.43	+ 3	17.71	−21	35.15	+ 4	12.92	+ 1	52.94	+ 7
14	60.10	− 7	52.11	− 1	17.75	−29	34.82	0	12.85	− 1	52.63	+ 6
15	60.22	− 6	51.79	− 5	17.82	−29	34.49	− 3	12.79	− 2	52.32	+ 4
16	60.34	− 4	51.47	− 7	17.91	−23	34.16	− 6	12.73	− 3	52.01	+ 1
17	60.47	− 1	51.16	− 8	18.03	−12	33.83	− 7	12.67	− 3	51.70	− 3
18	60.61	+ 2	50.84	− 6	18.18	+ 1	33.51	− 7	12.62	− 3	51.38	− 5
19	60.76	+ 4	50.53	− 3	18.35	+11	33.18	− 4	12.57	− 2	51.07	− 6
20	60.91	+ 4	50.22	0	18.55	+16	32.85	− 1	12.52	0	50.74	− 5
21	61.07	+ 3	49.91	+ 4	18.77	+16	32.52	+ 3	12.47	+ 1	50.42	− 3
22	61.24	+ 1	49.61	+ 6	19.02	+11	32.20	+ 5	12.43	+ 2	50.09	+ 1
23	61.42	− 1	49.31	+ 7	19.29	+ 2	31.88	+ 7	12.39	+ 2	49.77	+ 4
24	61.60	− 4	49.01	+ 7	19.58	− 8	31.56	+ 8	12.35	+ 2	49.44	+ 7
25	61.78	− 6	48.72	+ 5	19.90	−17	31.24	+ 7	12.32	+ 1	49.11	+ 8
26	61.97	− 7	48.43	+ 3	20.25	−24	30.92	+ 4	12.29	0	48.78	+ 8
27	62.17	− 7	48.15	0	20.62	−26	30.61	+ 2	12.26	− 1	48.45	+ 7
28	62.37	− 6	47.86	− 3	21.02	−24	30.29	− 1	12.24	− 2	48.12	+ 5
29	62.58	− 4	47.58	− 5	21.44	−19	29.98	− 4	12.22	− 2	47.79	+ 2
30	62.80	− 1	47.31	− 6	21.88	−10	29.67	− 6	12.20	− 2	47.45	− 1
31	63.03	+ 2	47.04	− 7	22.35	+ 1	29.37	− 7	12.18	− 2	47.12	− 4
Febr. 1	63.26	+ 5	46.77	− 6	22.84	+13	29.06	− 7	12.17	− 2	46.79	− 6
2	63.49	+ 8	46.51	− 4	23.35	+24	28.76	− 6	12.16 12.15	− 1 0	46.46 46.12	− 8 − 8
3	63.73	+ 9	46.25	− 2	23.89	+33	28.47	− 4	12.15	+ 1	45.79	− 7
4	63.98	+10	46.00	+ 1	24.45	+38	28.17	− 1	12.15	+ 3	45.45	− 5
5	64.23	+ 9	45.75	+ 4	25.04	+37	27.88	+ 2	12.16	+ 3	45.12	− 2
6	64.48	+ 6	45.50	+ 7	25.65	+29	27.59	+ 5	12.16	+ 4	44.78	+ 1
sec δ, tg δ	86° 36′ 50″ 60	16.931 16.945	+16.901 +16.915		89° 1′ 30″ 40	58.768 58.936	+58.759 +58.927		82° 14′ 50″ 60	7.413 7.416	+7.345 +7.348	

Tag	43 Hev. Cephei 4^m.3				α Ursae minoris 2^m.0				Gr. 750 6^m.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	0^h 57^m	in ^s 0.01	+85° 50′	in ″ 0.01	1^h 32^m	in ^s 0.01	+88° 53′	in ″ 0.01	4^h 11^m	in ^s 0.01	+85° 21′	in ″ 0.01
Febr. 6	48.33	+2	40.28	−9	51.45	+5	34.00	−10	42.85	−5	7.69	−9
7	48.08	+4	40.12	−7	50.40	+15	33.89	−8	42.61	−2	7.80	−9
8	47.82	+6	39.96	−3	49.35	+22	33.78	−4	42.37	+2	7.90	−7
9	47.57	+6	39.79	+1	48.31	+23	33.66	0	42.12	+5	7.99	−4
10	47.32	+5	39.61	+4	47.28	+17	33.53	+4	41.87	+6	8.08	0
11	47.07	+2	39.43	+7	46.26	+8	33.40	+7	41.62	+6	8.16	+4
12	46.83	−2	39.25	+7	45.24	−5	33.26	+8	41.37	+4	8.23	+7
13	46.59	−5	39.06	+6	44.24	−16	33.11	+7	41.11	+1	8.30	+8
14	46.36	−6	38.86	+3	43.25	−23	32.96	+4	40.86	−2	8.37	+7
15	46.12	−7	38.66	0	42.27	−23	32.81	+1	40.60	−4	8.43	+5
16	45.90	−5	38.45	−3	41.29	−18	32.65	−2	40.35	−5	8.48	+1
17	45.67	−2	38.24	−4	40.33	−7	32.48	−4	40.09	−4	8.53	−2
18	45.45	+2	38.02	−4	39.39	+6	32.31	−4	39.83	−1	8.57	−5
19	45.23	+5	37.80	−3	38.45	+17	32.13	−3	39.57	+2	8.60	−6
20	45.02	+7	37.57	0	37.53	+26	31.95	−1	39.31	+4	8.62	−6
21	44.81	+8	37.34	+2	36.62	+29	31.76	+1	39.05	+7	8.64	−4
22	44.60	+7	37.11	+5	35.72	+27	31.57	+4	38.79	+8	8.66	−1
23	44.40	+6	36.87	+7	34.84	+21	31.37	+6	38.52	+8	8.66	+1
24	44.20	+3	36.63	+7	33.97	+12	31.16	+7	38.26	+7	8.66	+3
25	44.01	+1	36.38	+7	33.11	+2	30.95	+7	38.00	+5	8.66	+5
26	43.82	−2	36.13	+6	32.27	−8	30.74	+6	37.74	+2	8.65	+6
27	43.64	−4	35.87	+3	31.44	−16	30.52	+4	37.47	−1	8.63	+6
28	43.46	−6	35.61	+1	30.63	−23	30.29	+1	37.21	−4	8.61	+5
März 1	43.28	−7	35.35	−3	29.83	−26	30.06	−2	36.95	−6	8.58	+3
2	43.11	−7	35.08	−6	29.05	−25	29.83	−5	36.69	−8	8.54	0
3	42.95	−5	34.81	−8	28.28	−21	29.59	−8	36.43	−9	8.50	−3
4	42.79	−3	34.54	−10	27.53	−11	29.35	−10	36.17	−8	8.45	−6
5	42.63	0	34.26	−10	26.80	0	29.11	−10	35.91	−6	8.39	−8
6	42.48	+3	33.98	−8	26.09	+11	28.86	−9	35.65	−3	8.33	−9
7	42.34	+6	33.70	−5	25.39	+19	28.61	−6	35.39	0	8.27	−8
8	42.20	+6	33.42	−1	24.72	+22	28.35	−2	35.14	+3	8.20	−5
9	42.06	+5	33.13	+2	24.06	+19	28.09	+2	34.89	+5	8.12	−2
10	41.93	+3	32.84	+5	23.41	+11	27.82	+5	34.63	+5	8.03	+2
11	41.81	−1	32.55	+7	22.79	−1	27.55	+7	34.38	+4	7.94	+6
12	41.69	−4	32.25	+6	22.18	−13	27.28	+7	34.13	+1	7.84	+8
13	41.58	−6	31.96	+4	21.60	−23	27.01	+5	33.88	−2	7.74	+8
14	41.47	−7	31.66	+1	21.03	−25	26.73	+2	33.64	−4	7.63	+6
15	41.37	−6	31.36	−2	20.47	−21	26.45	−1	33.39	−5	7.51	+3
sec δ, tg δ	85° 50′ 30″	13.791	+13.754		88° 53′ 30″	51.698	+51.689		85° 21′ 0″	12.335	+12.295	
	40	13.800	+13.764		40	51.829	+51.819		10	12.343	+12.302	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 4^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h\ 26^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h\ 53^m$	in ^{s} 0.01	+82° 9′	in ″ 0.01
Febr. 6	55.55	−13	26.24	− 4	12.98	− 5	11.23	+ 2	47.31	+ 1	54.25	+ 8
7	55.36	− 9	26.52	− 6	13.01	− 4	11.53	− 2	47.45	0	54.07	+ 8
8	55.16	− 3	26.81	− 7	13.04	− 2	11.84	− 4	47.60	− 1	53.90	+ 6
9	54.96	+ 3	27.09	− 6	13.06	0	12.15	− 6	47.75	− 2	53.74	+ 3
10	54.75	+ 8	27.37	− 3	13.08	+ 2	12.46	− 6	47.90	− 2	53.58	− 1
11	54.53	+11	27.64	0	13.10	+ 4	12.77	− 4	48.05	− 2	53.43	− 5
12	54.30	+11	27.91	+ 3	13.11	+ 5	13.08	− 1	48.20	− 1	53.29	− 8
13	54.07	+ 8	28.18	+ 6	13.12	+ 4	13.39	+ 2	48.36	0	53.15	− 8
14	53.82	+ 4	28.44	+ 7	13.13	+ 3	13.70	+ 4	48.51	+ 1	53.01	− 7
15	53.57	− 1	28.70	+ 6	13.13	+ 1	14.01	+ 5	48.67	+ 2	52.88	− 4
16	53.32	− 4	28.96	+ 4	13.14	− 1	14.32	+ 5	48.82	+ 1	52.76	− 1
17	53.05	− 6	29.21	+ 1	13.14	− 2	14.63	+ 2	48.98	+ 1	52.64	+ 3
18	52.78	− 6	29.46	− 3	13.14	− 3	14.94	− 1	49.14	0	52.53	+ 5
19	52.50	− 3	29.71	− 6	13.13	− 3	15.25	− 4	49.30	− 1	52.43	+ 6
20	52.21	+ 1	29.95	− 8	13.12	− 1	15.56	− 6	49.46	− 2	52.33	+ 6
21	51.92	+ 4	30.19	− 8	13.11	0	15.87	− 8	49.62	− 3	52.24	+ 4
22	51.63	+ 8	30.42	− 7	13.09	+ 1	16.18	− 8	49.78	− 3	52.16	+ 2
23	51.32	+10	30.65	− 4	13.07	+ 3	16.49	− 7	49.94	− 2	52.09	− 1
24	51.01	+11	30.87	− 2	13.05	+ 4	16.79	− 5	50.11	− 2	52.02	− 3
25	50.70	+10	31.09	+ 1	13.02	+ 4	17.10	− 3	50.27	− 1	51.95	− 5
26	50.38	+ 8	31.30	+ 4	13.00	+ 3	17.40	0	50.43	0	51.90	− 6
27	50.05	+ 4	31.51	+ 6	12.97	+ 2	17.71	+ 3	50.59	+ 1	51.85	− 6
28	49.72	0	31.72	+ 7	12.94	+ 1	18.01	+ 6	50.76	+ 2	51.81	− 5
März 1	49.38	− 5	31.92	+ 7	12.90	0	18.31	+ 8	50.92	+ 2	51.77	− 3
2	49.03	−10	32.11	+ 6	12.86	− 2	18.61	+ 9	51.08	+ 3	51.74	− 1
3	48.68	−13	32.30	+ 4	12.82	− 4	18.91	+ 8	51.25	+ 3	51.72	+ 2
4	48.33	−15	32.49	+ 1	12.77	− 5	19.20	+ 6	51.41	+ 3	51.70	+ 6
5	47.97	−14	32.67	− 2	12.72	− 5	19.50	+ 3	51.58	+ 2	51.69	+ 8
6	47.60	−11	32.84	− 5	12.67	− 5	19.79	0	51.74	0	51.69	+ 8
7	47.24	− 6	33.01	− 7	12.62	− 4	20.08	− 3	51.90	− 1	51.69	+ 7
8	46.86	− 1	33.17	− 6	12.56	− 1	20.37	− 5	52.06	− 2	51.70	+ 5
9	46.49	+ 5	33.33	− 5	12.51	+ 1	20.65	− 5	52.23	− 2	51.72	+ 1
10	46.11	+ 8	33.48	− 1	12.44	+ 3	20.94	− 4	52.39	− 2	51.74	− 3
11	45.72	+10	33.63	+ 2	12.38	+ 4	21.22	− 2	52.55	− 1	51.77	− 6
12	45.33	+ 8	33.77	+ 5	12.31	+ 4	21.50	+ 1	52.71	0	51.80	− 8
13	44.93	+ 5	33.91	+ 7	12.24	+ 3	21.78	+ 4	52.87	+ 1	51.85	− 8
14	44.54	0	34.04	+ 7	12.17	+ 2	22.05	+ 6	53.03	+ 2	51.89	− 5
15	44.14	− 4	34.16	+ 5	12.09	0	22.32	+ 6	53.19	+ 2	51.95	− 2

sec δ, tg δ	51 Hev. Cephei			1 Hev. Draconis			ε Ursae minoris		
	87° 10′ 30″	20.290	+20.265	81° 40′ 10″	6.902	+6.829	82° 9′ 50″	7.335	+7.266
	40	20.310	+20.285	20	6.904	+6.832	60	7.337	+7.269

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 57^m$	in ^{s} 0.01	+86° 36′	in ″ 0.01	$18^h 55^m$	in ^{s} 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 14′	in ″ 0.01
Febr. 6	^{s} 4.48	+6	″ 45.50	+7	^{s} 25.65	+29	″ 27.59	+5	^{s} 12.16	+4	″ 44.78	+1
7	4.74	+2	45.26	+8	26.28	+16	27.30	+7	12.18	+3	44.45	+4
8	5.01	−1	45.02	+7	26.93	+1	27.02	+7	12.19	+2	44.11	+6
9	5.28	−4	44.79	+4	27.61	−13	26.74	+5	12.21	0	43.77	+6
10	5.56	−6	44.57	0	28.31	−24	26.46	+2	12.23	−1	43.44	+5
11	5.84	−6	44.35	−3	29.02	−28	26.19	−2	12.26	−3	43.11	+2
12	6.13	−5	44.13	−6	29.76	−24	25.92	−5	12.28	−3	42.77	−2
13	6.42	−2	43.92	−8	30.51	−16	25.66	−7	12.31	−3	42.44	−4
14	6.71	+1	43.72	−7	31.29	−4	25.40	−7	12.35	−2	42.12	−6
15	7.01	+3	43.52	−5	32.09	+7	25.14	−5	12.38	−1	41.79	−6
16	7.31	+4	43.32	−1	32.91	+14	24.89	−2	12.42	0	41.46	−4
17	7.62	+4	43.13	+2	33.75	+16	24.64	+1	12.46	+2	41.14	−1
18	7.93	+2	42.95	+5	34.61	+12	24.40	+5	12.50	+2	40.81	+3
19	8.25	−1	42.77	+7	35.48	+4	24.16	+7	12.55	+2	40.49	+6
20	8.57	−3	42.60	+7	36.37	−6	23.92	+8	12.60	+2	40.17	+8
21	8.90	−5	42.43	+6	37.28	−16	23.69	+7	12.66	+1	39.85	+8
22	9.23	−7	42.27	+4	38.21	−23	23.46	+5	12.71	0	39.54	+8
23	9.56	−7	42.11	+1	39.15	−27	23.24	+3	12.77	−1	39.23	+6
24	9.89	−7	41.96	−2	40.11	−27	23.03	0	12.84	−2	38.92	+3
25	10.23	−5	41.82	−4	41.09	−23	22.82	−2	12.90	−2	38.61	0
26	10.57	−3	41.68	−6	42.08	−15	22.61	−5	12.97	−2	38.31	−3
27	10.91	0	41.55	−6	43.09	−5	22.41	−6	13.04	−2	38.00	−5
28	11.25	+3	41.42	−7	44.11	+7	22.22	−7	13.11	−1	37.71	−7
März 1	11.60	+6	41.30	−5	45.15	+19	22.03	−6	13.19	0	37.41	−8
2	11.95	+8	41.19	−3	46.20	+29	21.84	−5	13.27	+1	37.12	−8
3	12.30	+9	41.08	0	47.26	+35	21.66	−2	13.35	+2	36.83	−6
4	12.65	+9	40.98	+3	48.34	+37	21.49	+1	13.43	+3	36.55	−4
5	13.01	+7	40.89	+6	49.43	+33	21.32	+4	13.52	+3	36.27	0
6	13.37	+4	40.80	+7	50.54	+23	21.16	+6	13.61	+3	35.99	+3
7	13.73	+1	40.72	+7	51.66	+9	21.00	+7	13.70	+2	35.72	+5
8	14.09	−3	40.64	+5	52.79	−5	20.85	+6	13.80	+1	35.45	+6
9	14.45	−5	40.57	+2	53.92	−17	20.70	+3	13.90	−1	35.18	+5
10	14.81	−6	40.51	−2	55.07	−24	20.56	0	14.00	−2	34.92	+2
11	15.18	−5	40.45	−5	56.23	−23	20.43	−4	14.10	−3	34.66	−1
12	15.55	−3	40.40	−7	57.40	−17	20.30	−7	14.21	−3	34.41	−4
13	15.92	0	40.35	−8	58.57	−7	20.18	−8	14.31	−2	34.16	−6
14	16.28	+3	40.32	−6	59.76	+4	20.06	−6	14.43	−1	33.92	−6
15	16.65	+4	40.29	−3	60.95	+13	19.95	−4	14.54	0	33.68	−5

sec δ, tg δ									
	86° 36′ 40″	16.917	+16.887	89° 1′ 20″	58.601	+58.592	82° 14′ 30″	7.408	+7.340
	50	16.931	+16.901	30	58.768	+58.759	40	7.410	+7.343

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 57^m$ s	in s 0.01	+85° 50′ ″	in ″ 0.01	$1^h 32^m$ s	in s 0.01	+88° 53′ ″	in ″ 0.01	$4^h 11^m$ s	in s 0.01	+85° 20′ ″	in ″ 0.01
März 15	41.37	−6	31.36	−2	20.47	−21	26.45	−1	33.39	−5	67.51	+3
16	41.27	−3	31.05	−4	19.94	−12	26.16	−3	33.15	−5	67.39	−1
17	41.18	0	30.75	−4	19.43	0	25.87	−5	32.91	−3	67.27	−4
18	41.09	+3	30.44	−3	18.93	+13	25.58	−4	32.67	0	67.14	−5
19	41.01	+6	30.13	−1	18.46	+23	25.29	−2	32.44	+3	67.00	−6
20	40.93	+8	29.82	+2	18.00	+29	25.00	+1	32.20	+6	66.86	−5
21	40.86	+8	29.51	+4	17.57	+29	24.70	+3	31.97	+8	66.72	−2
22	40.80	+7	29.19	+7	17.16	+24	24.40	+6	31.74	+8	66.57	0
23	40.74	+5	28.88	+8	16.77	+17	24.10	+7	31.51	+8	66.41	+3
24	40.68	+2	28.56	+8	16.40	+7	23.80	+7	31.29	+6	66.25	+5
25	40.64	−1	28.25	+7	16.05	−3	23.50	+7	31.07	+3	66.08	+6
26	40.60	−4	27.93	+5	15.72	−12	23.19	+5	30.85	+1	65.91	+6
27	40.56	−6	27.61	+2	15.41	−20	22.88	+3	30.64	−2	65.73	+6
28	40.53	−7	27.29	−1	15.12	−25	22.57	0	30.42	−5	65.55	+4
29	40.51	−7	26.98	−4	14.86	−25	22.26	−3	30.21	−7	65.36	+2
30	40.49	−6	26.66	−7	14.61	−22	21.95	−6	30.00	−8	65.17	−1
31	40.48	−4	26.34	−9	14.38	−15	21.64	−8	29.80	−8	64.97	−4
April 1	40.47	−1	26.03	−10	14.18	−4	21.32	−9	29.60	−7	64.77	−7
2	40.47	+2	25.71	−9	13.99	+7	21.01	−9	29.41	−4	64.57	−9
3	40.47	+5	25.40	−6	13.83	+16	20.69	−7	29.21	−1	64.36	−8
4	40.48	+6	25.08	−3	13.68	+22	20.38	−3	29.03	+2	64.15	−7
5	40.50	+6	24.77	+1	13.56	+21	20.06	0	28.84	+4	63.93	−3
6	40.52 40.54	+4 +1	24.45 24.14	+4 +6	13.47	+14	19.74	+3	28.66	+5	63.71	+1
7	40.58	−3	23.82	+6	13.39	+3	19.42	+6	28.48	+4	63.48	+4
8	40.62	−6	23.51	+4	13.34	−9	19.11	+6	28.31	+2	63.25	+7
9	40.66	−7	23.19	+1	13.30	−20	18.79	+5	28.14	−1	63.02	+8
10	40.71	−7	22.88	−2	13.29	−26	18.47	+3	27.97	−4	62.78	+7
11	40.77	−5	22.57	−4	13.30	−25	18.15	−1	27.81	−5	62.54	+4
12	40.83	−2	22.26	−5	13.33	−18	17.84	−3	27.65	−6	62.29	0
13	40.90	+2	21.96	−4	13.37	−6	17.52	−5	27.50	−4	62.04	−3
14	40.97	+5	21.66	−2	13.44	+7	17.21	−5	27.35	−1	61.79	−5
15	41.05	+7	21.36	0	13.53 13.64	+19 +27	16.89 16.58	−3 −1	27.21	+2	61.54	−6
16	41.13	+8	21.06	+3	13.78	+29	16.26	+2	27.07	+5	61.28	−5
17	41.22	+7	20.76	+6	13.93	+27	15.95	+5	26.93	+7	61.02	−3
18	41.31	+6	20.46	+8	14.11	+21	15.63	+7	26.80	+8	60.76	−1
19	41.41	+3	20.17	+8	14.30	+12	15.32	+8	26.67	+8	60.50	+2
20	41.51	0	19.88	+7	14.52	+1	15.02	+7	26.55	+7	60.23	+4
21	41.62	−3	19.59	+6	14.75	−9	14.71	+6	26.43	+5	59.96	+6
sec δ, tg δ	85° 50′ 20″ 30	13.781 13.791	+13.745 +13.754		88° 53′ 20″ 30	51.569 51.698	+51.560 +51.689		85° 20′ 60″ 70	12.335 12.343	+12.295 +12.302	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 4^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h\ 26^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h\ 53^m$	in ^{s} 0.01	+82° 9′	in ″ 0.01
März 15	44.14	− 4	34.16	+ 5	12.09	0	22.32	+ 6	53.19	+ 2	51.95	− 2
16	43.73	− 6	34.28	+ 2	12.01	− 2	22.58	+ 4	53.35	+ 1	52.01	+ 2
17	43.33	− 6	34.39	− 1	11.93	− 3	22.85	+ 1	53.51	0	52.08	+ 4
18	42.92	− 4	34.50	− 5	11.85	− 3	23.11	− 3	53.67	− 1	52.15	+ 6
19	42.51	− 1	34.60	− 7	11.77	− 2	23.36	− 6	53.83	− 2	52.24	+ 6
20	42.10	+ 3	34.69	− 8	11.69	− 1	23.61	− 8	53.99	− 2	52.32	+ 5
21	41.68	+ 7	34.78	− 7	11.60	+ 1	23.86	− 9	54.15	− 3	52.42	+ 3
22	41.26	+10	34.86	− 5	11.51	+ 2	24.11	− 8	54.30	− 3	52.52	0
23	40.84	+12	34.94	− 3	11.42	+ 3	24.35	− 6	54.46	− 2	52.63	− 3
24	40.42	+11	35.01	0	11.32	+ 4	24.59	− 4	54.61	− 2	52.74	− 5
25	40.00	+ 9	35.07	+ 3	11.23	+ 4	24.82	− 1	54.76	− 1	52.86	− 6
26	39.57	+ 6	35.13	+ 5	11.13	+ 3	25.05	+ 2	54.91	0	52.99	− 6
27	39.15	+ 2	35.19	+ 6	11.03	+ 2	25.27	+ 5	55.06	+ 1	53.12	− 6
28	38.72	− 3	35.24	+ 7	10.93	+ 1	25.49	+ 7	55.20	+ 2	53.25	− 4
29	38.30	− 7	35.28	+ 6	10.82	− 1	25.71	+ 8	55.35	+ 3	53.40	− 2
30	37.87	−11	35.31	+ 5	10.72	− 3	25.92	+ 8	55.50	+ 3	53.55	+ 1
31	37.44	−14	35.34	+ 2	10.61	− 4	26.13	+ 7	55.64	+ 3	53.70	+ 4
April 1	37.01	−14	35.36	− 1	10.50	− 5	26.33	+ 4	55.78	+ 2	53.86	+ 7
2	36.58	−12	35.38	− 4	10.38	− 5	26.53	+ 1	55.92	+ 1	54.03	+ 8
3	36.16	− 8	35.39	− 6	10.27	− 4	26.73	− 2	56.06	0	54.20	+ 8
4	35.73	− 3	35.39	− 7	10.16	− 2	26.92	− 4	56.20	− 1	54.37	+ 6
5	35.30	+ 3	35.39	− 5	10.04	0	27.10	− 5	56.33	− 2	54.55	+ 2
6	34.87	+ 7	35.38	− 3	9.92	+ 2	27.28	− 5	56.47	− 2	54.74	− 2
7	34.45	+ 9	35.37	+ 1	9.80	+ 3	27.46	− 3	56.60	− 1	54.93	− 5
8	34.02	+ 8	35.35	+ 4	9.68	+ 4	27.63	+ 1	56.73	0	55.12	− 7
9	33.60	+ 5	35.32	+ 7	9.56	+ 3	27.79	+ 3	56.85	+ 1	55.32	− 8
10	33.17	+ 1	35.29	+ 8	9.44	+ 2	27.95	+ 6	56.98	+ 2	55.53	− 6
11	32.75	− 3	35.25	+ 7	9.32	0	28.10	+ 6	57.10	+ 2	55.74	− 3
12	32.33	− 6	35.21	+ 4	9.19	− 1	28.25	+ 5	57.23	+ 2	55.96	0
13	31.91	− 7	35.16	0	9.06	− 3	28.40	+ 3	57.34	+ 1	56.18	+ 4
14	31.50	− 6	35.10	− 3	8.94	− 3	28.54	− 1	57.46	0	56.40	+ 6
15	31.08	− 3	35.04	− 6	8.81	− 2	28.67	− 4	57.58	− 1	56.63	+ 6
16	30.67	+ 1	34.98	− 8	8.68	− 1	28.80	− 7	57.69	− 2	56.86	+ 6
17	30.26	+ 6	34.90	− 8	8.55	0	28.92	− 9	57.80	− 3	57.10	+ 4
18	29.85	+ 9	34.83	− 6	8.42	+ 2	29.04	− 9	57.92	− 3	57.34	+ 1
19	29.44	+11	34.74	− 4	8.28	+ 3	29.15	− 8	58.03	− 3	57.59	− 2
20	29.04	+12	34.65	− 1	8.15	+ 4	29.26	− 5	58.13	− 2	57.84	− 4
21	28.64	+10	34.55	+ 2	8.02	+ 4	29.36	− 3	58.23	− 1	58.09	− 6
sec δ, tg δ	87° 10′ 30″	20.290	+20.265		81° 40′ 20″	6.904	+6.832		82° 9′ 50″	7.335	+7.266	
	40	20.310	+20.285		30	6.907	+6.834		60	7.337	+7.269	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 57^m$	in 0.01 s	+86° 36′	in 0.01 ″	$18^h 56^m$	in 0.01 s	+89° 1′	in 0.01 ″	$20^h 48^m$	in 0.01 s	+82° 14′	in 0.01 ″
März 15	16.65	+4	40.29	−3	0.95	+13	19.95	−4	14.54	0	33.68	−5
16	17.02	+4	40.26	+1	2.15	+16	19.84	0	14.65	+1	33.44	−2
17	17.39	+3	40.24	+4	3.36	+14	19.74	+3	14.77	+2	33.21	+1
18	17.76	0	40.23	+6	4.57	+7	19.65	+6	14.89	+2	32.98	+5
19	18.13	−3	40.23	+7	5.79	−3	19.56	+8	15.00	+2	32.76	+7
20	18.50	−5	40.23	+7	7.02	−14	19.48	+8	15.13	+1	32.54	+9
21	18.87	−7	40.24	+5	8.25	−22	19.41	+6	15.25	0	32.33	+8
22	19.24	−8	40.25	+2	9.49	−28	19.34	+4	15.38	−1	32.13	+7
23	19.61	−8	40.27	−1	10.73	−29	19.28	+1	15.50	−2	31.93	+4
24	19.97	−6	40.30	−3	11.98	−26	19.22	−1	15.64	−2	31.73	+2
25	20.34	−4	40.33	−5	13.23	−20	19.17	−4	15.77	−2	31.54	−1
26	20.70	−1	40.37	−6	14.47	−11	19.13	−6	15.90	−2	31.36	−4
27	21.07	+2	40.41	−7	15.72	0	19.09	−7	16.04	−2	31.18	−6
28	21.43	+5	40.46	−6	16.98	+12	19.06	−7	16.18	−1	31.01	−8
29	21.79	+7	40.52	−4	18.23	+23	19.04	−5	16.31	0	30.84	−8
30	22.15	+9	40.59	−1	19.49	+32	19.02	−3	16.46	+2	30.68	−7
31	22.51	+9	40.66	+2	20.75	+35	19.01	0	16.60	+3	30.52	−5
April 1	22.86	+8	40.74	+5	22.01	+34	19.00	+3	16.74	+3	30.37	−2
2	23.22	+5	40.82	+7	23.26	+28	19.00	+5	16.89	+3	30.22	+2
3	23.57	+2	40.91	+7	24.52	+14	19.00	+7	17.04	+3	30.08	+4
4	23.92	−1	41.01	+6	25.77	+1	19.01	+6	17.18	+2	29.95	+6
5	24.26	−4	41.11	+4	27.02	−12	19.03	+4	17.33	0	29.83	+5
6	24.61	−5	41.21	0	28.27	−20	19.06	+1	17.48	−1	29.71	+3
7	24.95	−5	41.33	−4	29.51	−22	19.09	−3	17.63	−2	29.59	0
8	25.29	−3	41.44	−7	30.75	−18	19.13	−6	17.78	−3	29.48	−3
9	25.63	0	41.57	−8	31.99	−9	19.17	−7	17.94	−3	29.38	−6
10	25.97	+2	41.70	−7	33.23	+3	19.22	−8	18.09	−2	29.28	−7
11	26.30	+4	41.84	−4	34.45	+13	19.28	−5	18.25	0	29.19	−6
12	26.63	+5	41.98	−1	35.68	+18	19.34	−2	18.40	+1	29.11	−4
13	26.96	+4	42.12	+2	36.90	+18	19.41	+2	18.56	+2	29.03	0
14	27.28	+2	42.27	+6	38.11	+12	19.48	+5	18.72	+2	28.96	+3
15	27.60	−1	42.43	+7	39.33	+2	19.56	+7	18.88	+2	28.90	+6
16	27.91	−4	42.59	+7	40.53	−9	19.64	+8	19.03	+1	28.84	+8
17	28.23	−7	42.76	+6	41.72	−19	19.73	+7	19.19	0	28.78	+9
18	28.53	−8	42.93	+3	42.90	−27	19.82	+5	19.35	−1	28.74	+8
19	28.84	−8	43.11	+1	44.07	−30	19.92	+3	19.51	−1	28.70	+6
20	29.14	−7	43.29	−2	45.24	−28	20.03	0	19.67	−2	28.66	+3
21	29.44	−5	43.48	−4	46.40	−23	20.14	−3	19.83	−2	28.63	0
sec δ, tg δ	86° 36′ 40″	16.917	+16.887		89° 1′ 10″	58.435	+58.426		82° 14′ 30″	7.408	+7.340	
	50	16.931	+16.901		20	58.601	+58.592		40	7.410	+7.343	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 57^m$	in ^{s} 0.01	+85° 50′	in ″ 0.01	$1^h 32^m$	in ^{s} 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
April 21	41.62	−3	19.59	+6	14.75	−9	14.71	+6	26.43	+5	59.96	+6
22	41.74	−5	19.30	+3	15.01	−17	14.41	+4	26.32	+2	59.69	+7
23	41.86	−6	19.02	+1	15.28	−23	14.10	+1	26.21	−1	59.41	+6
24	41.98	−7	18.74	−3	15.58	−25	13.80	−2	26.11	−4	59.13	+5
25	42.11	−6	18.46	−6	15.90	−23	13.50	−5	26.01	−6	58.85	+3
26	42.25	−5	18.18	−8	16.23	−18	13.21	−7	25.92	−8	58.57	0
27	42.39	−2	17.91	−9	16.59	−8	12.91	−9	25.83	−8	58.29	−3
28	42.53	+1	17.64	−9	16.96	+4	12.62	−9	25.74	−7	58.01	−6
29	42.68	+4	17.37	−7	17.36	+14	12.32	−8	25.66	−5	57.72	−8
30	42.84	+6	17.11	−4	17.77	+21	12.03	−5	25.58	−2	57.43	−8
Mai 1	43.00	+6	16.85	0	18.21	+23	11.75	−1	25.51	+2	57.14	−7
2	43.16	+5	16.60	+3	18.66	+18	11.46	+3	25.44	+4	56.84	−5
3	43.33	+2	16.35	+6	19.12	+9	11.18	+5	25.38	+5	56.55	−1
4	43.50	−1	16.10	+6	19.61	−4	10.90	+6	25.33	+5	56.26	+3
5	43.68	−5	15.86	+5	20.12	−16	10.62	+6	25.28	+3	55.96	+6
6	43.86	−7	15.62	+2	20.64	−24	10.35	+3	25.23	0	55.66	+7
7	44.05	−7	15.38	−1	21.18	−27	10.08	0	25.19	−3	55.36	+7
8	44.24	−6	15.15	−4	21.74	−22	9.82	−3	25.16	−5	55.06	+5
9	44.43	−3	14.92	−5	22.32	−11	9.56	−5	25.13	−6	54.76	+1
10	44.63	0	14.70	−6	22.91	+1	9.30	−6	25.10	−5	54.46	−2
11	44.83	+4	14.48	−4	23.52	+14	9.04	−5	25.08	−3	54.16	−5
12	45.04	+6	14.26	−1	24.15	+23	8.79	−2	25.06	0	53.86	−6
13	45.25	+8	14.05	+2	24.79	+29	8.54	0	25.05	+3	53.56	−6
14	45.47	+8	13.84	+5	25.45	+29	8.30	+3	25.04	+6	53.26	−5
15	45.68	+6	13.64	+7	26.12	+23	8.06	+6	25.04	+8	52.96	−2
16	45.91	+4	13.44	+8	26.81	+15	7.82	+7	25.04	+8	52.66	+1
17	46.13	+1	13.25	+8	27.52	+5	7.59	+8	25.05	+7	52.36	+3
18	46.36	−2	13.06	+6	28.24	−5	7.36	+7	25.06	+6	52.06	+5
19	46.59	−4	12.87	+4	28.98	−14	7.13	+5	25.08	+3	51.76	+6
20	46.83	−6	12.69	+2	29.73	−21	6.91	+3	25.11	0	51.46	+6
21	47.07	−7	12.52	−1	30.50	−25	6.69	−1	25.14	−3	51.16	+6
22	47.31	−7	12.35	−4	31.28	−25	6.48	−3	25.17	−5	50.86	+4
23	47.56	−5	12.18	−7	32.07	−20	6.27	−6	25.21	−7	50.56	+1
24	47.81	−3	12.02	−9	32.88	−12	6.07	−8	25.25	−8	50.26	−2
25	48.06	0	11.87	−9	33.70	−1	5.87	−9	25.30 25.35	−7 −5	49.97 49.67	−4 −7
26	48.31	+3	11.72	−8	34.54	+10	5.68	−8	25.41	−3	49.38	−8
27	48.57	+5	11.57	−5	35.39	+19	5.49	−6	25.47	+1	49.08	−8
28	48.83	+7	11.43	−1	36.25	+24	5.30	−2	25.54	+4	48.79	−6
sec δ, tg δ	85° 50′ 10″	13.772	+13.736		88° 53′ 0″	51.313	+51.303		85° 20′ 50″	12.328	+12.287	
	20	13.781	+13.745		10	51.441	+51.431		60	12.335	+12.295	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h 4^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h 26^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h 53^m$	in ^{s} 0.01	+82° 9′	in ″ 0.10
April 21	$28.^s64$	+10	34.55″	+2	$8.^s02$	+4	29.36″	−3	$58.^s23$	−1	58.09″	−6
22	28.24	+8	34.45	+4	7.88	+4	29.46	0	58.34	0	58.35	−6
23	27.85	+4	34.34	+6	7.75	+3	29.55	+3	58.44	+1	58.61	−6
24	27.46	−1	34.23	+7	7.61	+1	29.63	+6	58.53	+2	58.88	−5
25	27.07	−5	34.11	+7	7.48	0	29.71	+7	58.62	+2	59.15	−3
26	26.69	−9	33.99	+5	7.34	−2	29.78	+8	58.71	+3	59.42	0
27	26.31	−12	33.86	+3	7.21	−4	29.85	+7	58.80	+3	59.69	+3
28	25.93	−13	33.72	0	7.07	−5	29.91	+5	58.88	+2	59.97	+6
29	25.56	−12	33.58	−3	6.94	−5	29.96	+2	58.97	+1	60.25	+8
30	25.19	−9	33.44	−5	6.80	−4	30.01	−1	59.05	0	60.54	+8
Mai 1	24.83	−4	33.29	−7	6.66	−3	30.06	−4	59.13	−1	60.83	+7
2	24.47	+1	33.13	−6	6.53	−1	30.10	−5	59.21	−2	61.12	+4
3	24.11	+6	32.97	−4	6.39	+1	30.13	−5	59.28	−2	61.41	0
4	23.76	+9	32.81	−1	6.26	+3	30.16	−3	59.35	−2	61.70	−4
5	23.42	+9	32.64	+3	6.12	+4	30.18	−1	59.42	−1	62.00	−7
6	23.08	+7	32.47	+6	5.99	+4	30.19	+2	59.49	0	62.30	−8
7	22.75	+2	32.29	+8	5.85	+3	30.20	+5	59.55	+2	62.60	−7
8	22.42	−2	32.11	+7	5.71	+1	30.21	+7	59.61	+2	62.91	−4
9	22.10	−6	31.92	+5	5.57	−1	30.21	+6	59.66	+2	63.22	−1
10	21.78	−8	31.73	+2	5.43	−2	30.20	+4	59.71	+1	63.53	+3
11	21.47	−8	31.53	−2	5.30	−3	30.19	+1	59.76	+1	63.84	+5
12	21.16	−5	31.33	−5	5.16	−3	30.17	−2	59.81	−1	64.16	+7
13	20.85	−1	31.13	−7	5.03	−2	30.15	−6	59.86	−2	64.47	+6
14	20.56	+3	30.92	−8	4.90	−1	30.12	−8	59.90	−3	64.78	+5
15	20.27	+8	30.70	−7	4.77	+1	30.08	−9	59.94	−3	65.10	+2
16	19.98	+11	30.49	−5	4.63	+3	30.04	−8	59.98	−3	65.42	−1
17	19.70	+12	30.26	−2	4.50	+3	30.00	−6	60.01	−2	65.74	−3
18	19.43	+11	30.04	+1	4.37	+4	29.94	−4	60.04	−1	66.06	−5
19	19.16	+9	29.81	+3	4.24	+4	29.88	−1	60.07	0	66.38	−6
20	18.90	+6	29.57	+5	4.11	+3	29.82	+2	60.10	0	66.70	−6
21	18.64	+1	29.33	+6	3.98	+2	29.75	+5	60.12	+1	67.02	−6
22	18.40	−3	29.09	+7	3.85	0	29.67	+7	60.14	+2	67.35	−4
23	18.15	−8	28.85	+6	3.72	−1	29.59	+8	60.16	+3	67.67	−1
24	17.92	−11	28.60	+4	3.60	−3	29.51	+7	60.18	+3	68.00	+2
25	17.69	−13	28.35	+1	3.47	−4	29.42	+6	60.19	+2	68.32	+5
26	17.47	−13	28.10	−2	3.35	−5	29.32	+3	60.20	+1	68.65	+7
27	17.25	−10	27.84	−5	3.22	−5	29.22	0	60.21	0	68.97	+8
28	17.05	−6	27.58	−6	3.10	−3	29.12	−3	60.21	−1	69.30	+7
sec δ, tg δ	87° 10′ 30″		20.290	+20.265	81° 40′ 20″		6.904	+6.832	82° 9′ 60″		7.337	+7.269
	40		20.310	+20.285	30		6.907	+6.834	70		7.340	+7.271

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 57^m$ s	in s 0.01	+86° 36′ ″	in ″ 0.01	$18^h 56^m$ s	in s 0.01	+89° 1′ ″	in ″ 0.01	$20^h 48^m$ s	in s 0.01	+82° 14′ ″	in ″ 0.01
April 21	29.44	−5	43.48	−4	46.40	−23	20.14	−3	19.83	−2	28.63	0
22	29.73	−3	43.67	−6	47.55	−15	20.26	−5	19.99	−2	28.61	−3
23	30.01	0	43.87	−6	48.69	−5	20.39	−6	20.15	−2	28.60	−5
24	30.30	+3	44.07	−6	49.82	+7	20.52	−7	20.31	−1	28.59	−7
25	30.57	+6	44.28	−5	50.94	+18	20.66	−6	20.48	0	28.59	−8
26	30.85	+8	44.49	−2	52.05	+27	20.80	−4	20.64	+1	28.59	−7
27	31.12	+8	44.71	+1	53.15	+33	20.94	−1	20.80	+2	28.60	−5
28	31.38	+8	44.93	+4	54.23	+33	21.09	+2	20.97	+3	28.61	−2
29	31.64	+6	45.15	+6	55.31	+28	21.25	+5	21.13	+3	28.63	+1
30	31.90	+3	45.38	+7	56.37	+18	21.41	+6	21.29	+3	28.66	+4
Mai 1	32.15	−1	45.61	+7	57.42	+4	21.58	+7	21.45	+2	28.70	+6
2	32.39	−3	45.85	+5	58.45	−9	21.75	+5	21.61	+1	28.74	+6
3	32.63	−5	46.09	+1	59.47	−19	21.93	+2	21.77	−1	28.78	+4
4	32.87	−6	46.34	−2	60.48	−23	22.11	−1	21.93	−2	28.84	+2
5	33.10	−4	46.59	−6	61.47	−21	22.30	−5	22.09	−3	28.90	−2
6	33.32	−1	46.84	−7	62.45	−12	22.49	−7	22.25	−3	28.96	−5
7	33.54	+2	47.09	−8	63.42	−1	22.69	−8	22.41	−2	29.03	−7
8	33.76	+4	47.35	−6	64.37	+11	22.89	−6	22.56	−1	29.11	−7
9	33.97	+5	47.61	−2	65.30	+19	23.09	−3	22.72	+1	29.19	−5
10	34.17	+5	47.88	+1	66.22	+21	23.30	0	22.88	+2	29.28	−2
11	34.37	+3	48.15	+5	67.12	+17	23.51	+4	23.04	+2	29.37	+1
12	34.56	+1	48.42	+7	68.00	+8	23.73	+6	23.19	+2	29.47	+5
13	34.74	−2	48.70	+7	68.87	−3	23.95	+8	23.35	+2	29.58	+7
14	34.92	−5	48.98	+7	69.72	−14	24.18	+8	23.51	+1	29.69	+9
15	35.09	−7	49.26	+4	70.56	−23	24.41	+6	23.66	0	29.81	+8
16	35.26	−8	49.54	+2	71.38	−28	24.64	+4	23.81	−1	29.94	+7
17	35.42	−7	49.83	−1	72.18	−29	24.88	+1	23.96	−2	30.07	+4
18	35.58	−6	50.11	−4	72.97	−26	25.12	−2	24.11	−2	30.20	+1
19	35.73	−4	50.41	−5	73.73	−19	25.37	−4	24.26	−2	30.34	−2
20	35.87	−1	50.70	−6	74.48	−9	25.62	−6	24.41	−2	30.49	−4
21	36.01	+2	51.00	−7	75.21	+2	25.87	−7	24.56	−2	30.64	−6
22	36.14	+5	51.29	−5	75.92	+13	26.12	−6	24.70	−1	30.80	−7
23	36.26	+7	51.60	−3	76.62	+24	26.38	−5	24.84	0	30.96	−7
24	36.38	+8	51.90	−1	77.29	+31	26.64	−3	24.99	+2	31.13	−6
25	36.49	+8	52.20	+2	77.94	+33	26.91	0	25.13	+3	31.30	−4
26	36.59	+6	52.51	+5	78.57	+30	27.18	+4	25.27	+3	31.48	0
27	36.69	+4	52.82	+7	79.19	+21	27.46	+6	25.41	+3	31.66	+3
28	36.79	0	53.12	+7	79.78	+8	27.73	+7	25.55	+2	31.85	+5
sec δ, tg δ	86° 36′ 40″		16.917	+16.887	86° 1′ 20″		58.601	+58.592	82° 14′ 20″		7.405	+7.337
	50		16.931	+16.901	30		58.768	+58.759	30		7.408	+7.340

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 57^m$	in s 0.01	+85° 50′	in ″ 0.01	$1^h 32^m$	in s 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in s 0.01	+85° 20′	in ″ 0.01
Mai 28	48.83	+7	11.43	−1	36.25	+24	5.30	−2	25.54	+4	48.79	−6
29	49.09	+6	11.30	+2	37.12	+22	5.12	+2	25.61	+5	48.50	−2
30	49.36	+4	11.17	+5	38.00	+15	4.94	+5	25.69	+6	48.21	+1
31	49.63	+1	11.05	+7	38.90	+3	4.77	+7	25.77	+5	47.92	+5
Juni 1	49.90	−3	10.93	+6	39.80	−10	4.60	+7	25.86	+2	47.63	+7
2	50.18	−6	10.82	+4	40.72	−21	4.44	+5	25.95	−1	47.35	+8
3	50.45	−7	10.71	+1	41.65	−26	4.28	+2	26.05	−4	47.07	+6
4	50.73	−7	10.61	−2	42.59	−25	4.13	−1	26.15	−6	46.79	+3
5	51.01	−5	10.51	−5	43.54	−17	3.98	−4	26.25	−6	46.51	−1
6	51.29	−1	10.42	−6	44.50	−5	3.84	−6	26.36	−4	46.23	−4
7	51.57	+2	10.33	−5	45.47	+8	3.70	−6	26.47	−2	45.95	−6
8	51.86	+5	10.25	−3	46.45	+20	3.57	−4	26.59	+2	45.68	−7
9	52.15	+7	10.18	0	47.44	+26	3.44	−1	26.71	+5	45.41	−5
10	52.44	+8	10.11	+3	48.44	+28	3.32	+2	26.84	+7	45.14	−3
11	52.73	+7	10.05	+6	49.44	+25	3.20	+5	26.97	+8	44.87	0
12	53.02	+5	9.99	+7	50.46	+18	3.09	+7	27.10	+8	44.61	+2
13	53.32	+2	9.94	+8	51.48	+8	2.98	+7	27.24	+6	44.35	+5
14	53.61	−1	9.89	+7	52.51	−2	2.88	+7	27.38	+4	44.09	+6
15	53.91	−3	9.85	+5	53.55	−11	2.78	+6	27.53	+1	43.84	+7
16	54.20	−5	9.81	+2	54.59	−19	2.69	+3	27.68	−2	43.59	+6
17	54.50	−6	9.78	0	55.65	−24	2.61	+1	27.84	−5	43.34	+5
18	54.80	−7	9.75	−4	56.71	−26	2.53	−2	28.01	−7	43.09	+2
19	55.10	−6	9.73	−6	57.77	−22	2.45	−5	28.18	−8	42.85	−1
20	55.40	−4	9.71	−8	58.84	−16	2.38	−8	28.35	−8	42.61	−4
21	55.71	−1	9.70	−9	59.92	−6	2.32	−9	28.52	−7	42.37	−6
22	56.01	+2	9.70	−8	61.00	+5	2.26	−9	28.70	−4	42.13	−8
23	56.31	+5	9.70	−6	62.09	+16	2.21	−7	28.88	−1	41.90	−8
24	56.61	+6	9.71	−3	63.19	+22	2.16	−4	29.06	+2	41.67	−7
25	56.92	+6	9.72	+1	64.29	+23	2.12	0	29.25	+5	41.45	−4
26	57.22	+5	9.74	+4	65.39	+19	2.08	+4	29.44	+6	41.23	0
27	57.53	+2	9.77	+7	66.50	+9	2.05	+6	29.63	+6	41.01	+4
28	57.83	−1	9.80	+7	67.61	−4	2.03	+7	29.83	+4	40.80	+7
29	58.13	−4	9.84	+6	68.72	−15	2.02	+6	30.03	+1	40.59	+8
30	58.44	−7	9.88	+3	69.84	−23	2.01	+4	30.24	−2	40.38	+7
Juli 1	58.74	−7	9.93	−1	70.96	−26	2.01	+1	30.44	−5	40.18	+5
2	59.05	−6	9.98	−3	72.08	−20	2.00	−3	30.66	−6	39.98	+1
3	59.35	−3	10.04	−5	73.20	−10	1.98	−5	30.87	−5	39.79	−2
4	59.66	+1	10.10	−5	74.33	+2	1.99	−6	31.09	−3	39.59	−5
sec δ, tg δ	85° 50′ 0″	13.763	+13.727		88° 53′ 0″	51.313	+51.303		85° 20′ 40″	12.321	+12.280	
	10	13.772	+13.736		10	51.441	+51.431		50	12.328	+12.287	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 4^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h 25^m$	in ^{s} 0.01	+81° 40′	in ″ 0.01	$16^h 53^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Mai 28	$17^s.05$	−6	27″.58	−6	$63^s.10$	−3	29″.12	−3	$60^s.21$	−1	9″.30	+7
29	16.85	0	27.32	−7	62.98	−2	29.01	−5	60.21	−2	9.62	+5
30	16.65	+5	27.05	−5	62.86	+1	28.89	−6	60.21	−2	9.95	+1
31	16.46	+9	26.78	−3	62.74	+2	28.77	−5	60.21	−2	10.28	−2
Juni 1	16.28	+10	26.51	+1	62.62	+4	28.64	−3	60.20	−1	10.60	−6
2	16.11	+9	26.24	+5	62.51	+4	28.51	+1	60.19	0	10.93	−7
3	15.94	+5	25.96	+7	62.39	+3	28.38	+4	60.17	+1	11.25	−8
4	15.78	0	25.68	+8	62.28	+2	28.23	+6	60.16	+2	11.57	−6
5	15.63	−4	25.40	+6	62.16	0	28.09	+7	60.14	+2	11.90	−2
6	15.49	−7	25.11	+3	62.05	−2	27.94	+5	60.12	+2	12.22	+1
7	15.35	−9	24.82	0	61.94	−3	27.78	+3	60.10	+1	12.53	+4
8	15.22	−7	24.53	−4	61.83	−3	27.62	−1	60.07	0	12.85	+6
9	15.10	−3	24.24	−7	61.72	−3	27.45	−4	60.04	−1	13.17	+7
10	14.98	+1	23.95	−8	61.61	−1	27.28	−7	60.01	−2	13.49	+6
11	14.88	+6	23.65	−8	61.51	0	27.10	−8	59.97	−3	13.81	+3
12	14.78	+9	23.36	−6	61.41	+2	26.92	−8	59.94	−3	14.12	+1
13	14.68	+11	23.06	−3	61.31	+3	26.73	−7	59.90	−2	14.44	−2
14	14.60	+11	22.76	−1	61.21	+4	26.54	−5	59.85	−2	14.75	−4
15	14.52	+10	22.46	+2	61.12	+4	26.35	−2	59.81	−1	15.06	−6
16	14.45	+7	22.15	+5	61.02	+3	26.15	+1	59.76	0	15.37	−6
17	14.38	+3	21.85	+6	60.93	+2	25.95	+4	59.71	+1	15.67	−6
18	14.33	−2	21.54	+7	60.84	+1	25.74	+6	59.66	+2	15.98	−5
19	14.28	−6	21.23	+7	60.75	−1	25.53	+8	59.60	+3	16.28	−2
20	14.24	−10	20.92	+5	60.66	−2	25.31	+8	59.54	+3	16.58	+1
21	14.21	−13	20.61	+3	60.57	−4	25.09	+7	59.48	+3	16.88	+4
22	14.18	−13	20.30	0	60.49	−5	24.87	+5	59.42	+2	17.18	+6
23	14.17	−12	19.99	−4	60.41	−5	24.64	+1	59.35	+1	17.47	+8
24	14.16	−8	19.68	−6	60.33	−4	24.41	−2	59.28	0	17.76	+8
25	14.15	−3	19.37	−7	60.25	−2	24.18	−5	59.21	−1	18.05	+6
26	14.16	+3	19.05	−6	60.17	0	23.94	−6	59.14	−2	18.34	+3
27	14.17	+7	18.73	−4	60.09	+2	23.70	−6	59.06	−2	18.62	−1
28	14.19	+10	18.42	−1	60.02	+3	23.46	−4	58.98	−2	18.90	−4
29	14.22	+10	18.10	+3	59.95	+4	23.21	−1	58.90	−1	19.18	−7
30	14.26	+7	17.79	+6	59.88	+4	22.96	+2	58.81	0	19.46	−8
Juli 1	14.30	+3	17.47	+7	59.81	+3	22.70	+5	58.73	+1	19.73	−7
2	14.35	−2	17.16	+7	59.75	+1	22.45	+6	58.63	+2	20.01	−4
3	14.41	−6	16.84	+5	59.69	−1	22.18	+6	58.54	+2	20.27	0
4	14.47	−8	16.52	+1	59.63	−2	21.92	+4	58.45	+1	20.54	+3
sec δ, tg δ	87° 10′ 20″	20.270	+20.245		81° 40′ 20″	6.904	+6.832		82° 10′ 10″	7.340	+7.271	
	30	20.290	+20.265		30	6.907	+6.834		20	7.342	+7.274	

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	17ʰ 57ᵐ	in ˢ 0.01	+86° 36′	in ″ 0.01	18ʰ 57ᵐ	in ˢ 0.01	+89° 1′	in ″ 0.01	20ʰ 48ᵐ	in ˢ 0.01	+82° 14′	in ″ 0.01
Mai 28	36.79	0	53.12	+7	19.78	+8	27.73	+7	25.55	+2	31.85	+5
29	36.88	−3	53.44	+6	20.36	−5	28.01	+6	25.68	+1	32.04	+6
30	36.96	−5	53.75	+3	20.91	−17	28.29	+4	25.82	0	32.24	+6
31	37.04	−6	54.06	−1	21.44	−24	28.58	+1	25.95	−2	32.44	+3
Juni 1	37.10	−5	54.38	−4	21.96	−24	28.86	−3	26.09	−3	32.65	0
2	37.17	−3	54.69	−7	22.45	−18	29.15	−6	26.21	−3	32.87	−3
3	37.22	0	55.01	−8	22.93	−7	29.45	−8	26.34	−3	33.08	−6
4	37.27	+3	55.33	−7	23.38	+5	29.74	−7	26.47	−1	33.31	−7
5	37.31	+5	55.64	−4	23.81	+16	30.04	−5	26.59	0	33.53	−6
6	37.35	+6	55.96	0	24.23	+22	30.33	−1	26.71	+1	33.76	−4
7	37.37	+5	56.29	+3	24.62	+21	30.63	+2	26.84	+2	34.00	0
8	37.39	+2	56.61	+6	24.98	+14	30.94	+5	26.95	+2	34.24	+3
9	37.41	−1	56.93	+7	25.33	+4	31.24	+7	27.07	+2	34.48	+6
10	37.41	−4	57.25	+7	25.65	−8	31.55	+8	27.18	+1	34.73	+8
11	37.40	−6	57.57	+5	25.96	−19	31.86	+7	27.30	0	34.98	+8
12	37.40	−7	57.89	+3	26.24	−26	32.17	+4	27.41	−1	35.24	+7
13	37.39	−8	58.21	0	26.49	−29	32.48	+2	27.52	−2	35.50	+5
14	37.37	−7	58.54	−3	26.73	−27	32.79	−1	27.63	−2	35.76	+2
15	37.35	−4	58.86	−5	26.95	−22	33.10	−4	27.73	−3	36.03	−1
16	37.32	−2	59.18	−6	27.14	−13	33.42	−6	27.83	−2	36.30	−4
17	37.29	+1	59.50	−6	27.32	−2	33.73	−7	27.92	−2	36.57	−6
18	37.25	+4	59.83	−6	27.47	+10	34.05	−7	28.02	−1	36.85	−7
19	37.21	+6	60.15	−4	27.60	+21	34.36	−6	28.12	0	37.13	−8
20	37.16	+8	60.47	−1	27.71	+29	34.68	−4	28.21	+1	37.42	−7
21	37.10	+8	60.79	+1	27.79	+33	35.00	−1	28.30	+2	37.71	−5
22	37.03	+8	61.11	+4	27.85	+32	35.33	+2	28.39	+3	38.00	−2
23	36.96	+5	61.43	+7	27.89	+26	35.65	+5	28.48	+3	38.30	+2
24	36.88	+2	61.75	+7	27.91	+14	35.97	+7	28.56	+3	38.60	+4
25	36.79	−2	62.07	+7	27.91	0	36.29	+7	28.65	+2	38.90	+6
26	36.70	−5	62.38	+4	27.88	−13	36.62	+5	28.73	0	39.20	+6
27	36.60	−6	62.69	+1	27.84	−23	36.94	+2	28.81	−1	39.51	+5
28	36.49	−6	63.01	−3	27.77	−27	37.27	−1	28.88	−2	39.82	+2
29	36.38	−5	63.32	−6	27.68	−23	37.59	−5	28.96	−3	40.13	−2
30	36.26	−2	63.63	−7	27.57	−14	37.92	−7	29.03	−3	40.45	−4
Juli 1	36.14	+1	63.94	−7	27.43	−2	38.24	−7	29.10	−2	40.77	−6
2	36.00	+4	64.25	−5	27.27	+10	38.57	−6	29.17	−1	41.09	−7
3	35.87	+5	64.55	−2	27.09	+18	38.89	−3	29.23	+1	41.41	−5
4	35.72	+5	64.86	+2	26.89	+21	39.21	+1	29.29	+2	41.74	−2
sec δ, tg δ	86° 36′ 50″		16.931	+16.901	89° 1′ 30″		58.768	+58.759	82° 14′ 30″		7.408	+7.340
	60		16.945	+16.915	40		58.936	+58.927	40		7.410	+7.343

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 57^m$	in 0.01 s	+85° 50′	in 0.01 ″	$1^h 33^m$	in 0.01 s	+88° 53′	in 0.01 ″	$4^h 11^m$	in 0.01 s	+85° 20′	in 0.01 ″
	s		″		s		″		s		″	
Juli 4	59.66	+ 1	10.10	− 5	14.33	+ 2	1.99	− 6	31.09	− 3	39.59	− 5
5	59.96	+ 4	10.17	− 4	15.46	+15	2.00	− 5	31.31	0	39.41	− 6
6	60.27	+ 7	10.25	− 1	16.59	+24	2.02	− 2	31.54	+ 4	39.22	− 6
7	60.57	+ 8	10.33	+ 2	17.72	+28	2.04	+ 1	31.77	+ 6	39.04	− 4
8	60.88	+ 7	10.41	+ 5	18.85	+27	2.07	+ 4	32.00	+ 8	38.86	− 2
9	61.18	+ 6	10.50	+ 7	19.98	+21	2.11	+ 6	32.23	+ 8	38.69	+ 1
10	61.49	+ 3	10.60	+ 8	21.12	+12	2.15	+ 7	32.47	+ 7	38.52	+ 4
11	61.79	0	10.70	+ 7	22.25	+ 2	2.20	+ 7	32.71	+ 5	38.35	+ 6
12	62.09	− 2	10.81	+ 6	23.39	− 8	2.25	+ 6	32.95	+ 2	38.19	+ 6
13	62.39	− 5	10.92	+ 4	24.52	−16	2.30	+ 4	33.20	− 1	38.03	+ 6
14	62.69	− 6	11.04	+ 1	25.66	−23	2.36	+ 2	33.44	− 4	37.88	+ 5
15	62.99	− 7	11.16	− 2	26.79	−25	2.42	− 1	33.69	− 6	37.73	+ 3
16	63.28	− 6	11.29	− 5	27.92	−24	2.49	− 4	33.95	− 8	37.59	0
17	63.58	− 5	11.42	− 8	29.05	−19	2.57	− 7	34.20	− 8	37.45	− 3
18	63.88	− 3	11.56	− 9	30.18	−11	2.65	− 9	34.46	− 8	37.31	− 5
19	64.17	0	11.70	− 9	31.30	0	2.74	− 9	34.72	− 6	37.18	− 8
20	64.47	+ 3	11.85	− 8	32.43	+11	2.83	− 8	34.98	− 3	37.06	− 8
21	64.76	+ 5	12.00	− 5	33.55	+19	2.93	− 6	35.25	+ 1	36.93	− 8
22	65.05	+ 7	12.16	− 1	34.66	+23	3.04	− 2	35.52	+ 4	36.82	− 6
23	65.33	+ 6	12.33	+ 3	35.78	+21	3.15	+ 2	35.79	+ 5	36.71	− 2
24	65.62	+ 4	12.49	+ 6	36.90	+13	3.27	+ 5	36.06	+ 6	36.60	+ 2
25	65.90	0	12.67	+ 7	38.01	+ 1	3.39	+ 7	36.33	+ 5	36.49	+ 6
26	66.18	− 3	12.85	+ 7	39.12	−11	3.51	+ 7	36.60	+ 2	36.39	+ 8
27	66.46	− 6	13.03	+ 4	40.22	−20	3.64	+ 5	36.88	− 1	36.29	+ 8
28	66.74	− 7	13.22	+ 1	41.32	−25	3.77	+ 2	37.16	− 3	36.21	+ 6
29	67.02	− 6	13.41	− 2	42.42	−23	3.91	− 1	37.44	− 5	36.12	+ 3
30	67.29	− 4	13.61	− 4	43.51	−14	4.05	− 4	37.73	− 5	36.04	− 1
31	67.56	− 1	13.81	− 5	44.60	− 2	4.20	− 5	38.01	− 3	35.96	− 4
Aug. 1	67.83	+ 3	14.02	− 4	45.68	+10	4.35	− 5	38.30	− 1	35.89	− 6
2	68.10	+ 6	14.23	− 2	46.76	+21	4.51	− 3	38.59	+ 3	35.83	− 6
3	68.36	+ 8	14.44	+ 1	47.83	+28	4.68	0	38.87	+ 6	35.76	− 5
4	68.63	+ 8	14.66	+ 4	48.89	+29	4.85	+ 3	39.16	+ 7	35.70	− 3
5	68.89	+ 7	14.88	+ 6	49.95	+24	5.02	+ 5	39.46	+ 8	35.65	0
6	69.15	+ 4	15.11	+ 8	51.00	+16	5.20	+ 7	39.75	+ 7	35.60	+ 3
7	69.41	+ 1	15.34	+ 8	52.05	+ 6	5.38	+ 8	40.04	+ 6	35.55	+ 5
8	69.66	− 1	15.58	+ 7	53.09	− 4	5.57	+ 7	40.34	+ 3	35.51	+ 6
9	69.92	− 4	15.82	+ 5	54.12	−13	5.76	+ 5	40.63	0	35.48	+ 7
10	70.16	− 6	16.06	+ 2	55.15	−20	5.96	+ 3	40.93	− 2	35.45	+ 6
sec δ, tg δ	85° 50′ 10″	13.772	+13.736		88° 53′ 0″	51.313	+51.303		85° 20′ 30″	12.313	+12.273	
	20	13.781	+13.745		10	51.441	+51.431		40	12.321	+12.280	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 4^m$	in s 0.01	+87° 10′	in ″ 0.01	$9^h 25^m$	in s 0.01	+81° 40′	in ″ 0.01	$16^h 53^m$	in s 0.01	+82° 10′	in ″ 0.01
Juli 4	14.47	− 8	16.52	+ 1	59.63	− 2	21.92	+ 4	58.45	+ 1	20.54	+ 3
5	14.54	− 8	16.20	− 2	59.57	− 3	21.65	+ 1	58.35	0	20.80	+ 6
6	14.62	− 5	15.89	− 6	59.51	− 3	21.38	− 3	58.25	− 1	21.06	+ 7
7	14.71	− 1	15.57	− 7	59.45	− 2	21.10	− 6	58.15	− 2	21.31	+ 6
8	14.81 14.91	+ 4 + 8	15.25 14.94	− 8 − 7	59.40	0	20.82	− 8	58.05	− 2	21.56	+ 4
9	15.02	+11	14.62	− 4	59.35	+ 1	20.54	− 8	57.95	− 3	21.81	+ 2
10	15.13	+11	14.31	− 2	59.30	+ 3	20.26	− 7	57.84	− 3	22.05	− 1
11	15.25	+10	13.99	+ 1	59.26	+ 4	19.97	− 5	57.74	− 2	22.29	− 4
12	15.38	+ 8	13.68	+ 4	59.21	+ 4	19.68	− 3	57.62	− 1	22.53	− 5
13	15.52	+ 4	13.37	+ 6	59.17	+ 4	19.39	0	57.51	0	22.76	− 6
14	15.67	0	13.05	+ 7	59.13	+ 3	19.09	+ 3	57.40	+ 1	22.99	− 6
15	15.82	− 5	12.74	+ 7	59.09	+ 1	18.80	+ 6	57.28	+ 2	23.22	− 5
16	15.98	− 9	12.44	+ 6	59.06	0	18.50	+ 7	57.16	+ 2	23.44	− 3
17	16.15	−12	12.13	+ 4	59.02	− 2	18.20	+ 8	57.05	+ 3	23.66	0
18	16.32	−14	11.82	+ 1	58.99	− 4	17.89	+ 6	56.92	+ 3	23.88	+ 3
19	16.50	−13	11.52	− 2	58.96	− 5	17.58	+ 6	56.80	+ 2	24.09	+ 5
20	16.69	−11	11.21	− 5	58.93	− 5	17.27	+ 3	56.67	+ 1	24.30	+ 7
21	16.89	− 6	10.91	− 7	58.91	− 5	16.96	0	56.55	0	24.50	+ 8
22	17.09	0	10.61	− 7	58.89	− 3	16.65	− 3	56.41	− 1	24.70	+ 7
23	17.30	+ 5	10.31	− 5	58.87	− 1	16.34	− 5	56.28	− 2	24.90	+ 5
24	17.51	+ 9	10.01	− 2	58.85	+ 1	16.02	− 6	56.15	− 2	25.09	+ 1
25	17.73	+10	9.71	+ 1	58.84	+ 3	15.71	− 5	56.01	− 2	25.28	− 3
26	17.96	+ 9	9.42	+ 5	58.82	+ 4	15.39	− 3	55.87	− 1	25.46	− 6
27	18.20	+ 5	9.12	+ 7	58.81	+ 4	15.07	+ 1	55.74	0	25.64	− 8
28	18.44	+ 1	8.82	+ 7	58.80	+ 3	14.74	+ 4	55.59	+ 1	25.81	− 8
29	18.69	− 4	8.53	+ 6	58.79	+ 2	14.42	+ 5	55.45	+ 2	25.98	− 6
30	18.94	− 7	8.24	+ 3	58.79	0	14.09	+ 6	55.30	+ 2	26.15	− 2
31	19.21	− 7	7.95	− 1	58.78	− 2	13.76	+ 4	55.16	+ 2	26.31	+ 1
Aug. 1	19.47	− 6	7.67	− 4	58.79	− 3	13.44	+ 2	55.01	+ 1	26.46	+ 4
2	19.75	− 2	7.39	− 7	58.79	− 3	13.11	− 2	54.86	0	26.62	+ 6
3	20.03	+ 2	7.11	− 8	58.79	− 2	12.77	− 5	54.71	− 1	26.76	+ 7
4	20.31	+ 7	6.83	− 7	58.80	− 1	12.44	− 7	54.56	− 2	26.91	+ 5
5	20.60	+10	6.55	− 6	58.81	+ 1	12.11	− 8	54.40	− 3	27.05	+ 3
6	20.90	+11	6.27	− 3	58.82	+ 2	11.77	− 8	54.25	− 3	27.18	0
7	21.20	+11	6.00	0	58.83	+ 3	11.44	− 6	54.10	− 2	27.31	− 3
8	21.51	+ 9	5.73	+ 3	58.84	+ 4	11.10	− 4	53.94	− 2	27.44	− 5
9	21.83	+ 6	5.46	+ 5	58.86	+ 4	10.76	− 1	53.78	− 1	27.56	− 6
10	22.15	+ 2	5.20	+ 6	58.88	+ 3	10.43	+ 2	53.62	0	27.68	− 6
sec δ, tg δ	87° 10′ 10″ 20		20.250 20.270	+20.225 +20.245	81° 40′ 10″ 20		6.902 6.904	+6.829 +6.832	82° 10′ 20″ 30		7.342 7.345	+7.274 +7.277

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 57^m$	in 0.01 s	+86° 37′	in 0.01 ″	$18^h 57^m$	in 0.01 s	+89° 1′	in 0.01 ″	$20^h 48^m$	in 0.01 s	+82° 14′	in 0.01 ″
	s		″		s		″		s		″	
Juli 4	35.72	+5	4.86	+2	26.89	+21	39.21	+1	29.29	+2	41.74	−2
5	35.57	+3	5.16	+5	26.67	+17	39.53	+4	29.35	+2	42.06	+2
6	35.42	0	5.46	+7	26.42	+8	39.86	+7	29.40	+2	42.39	+5
7	35.26	−3	5.76	+7	26.16	−3	40.18	+8	29.45	+2	42.72	+7
8	35.09	−5	6.06	+6	25.87	−15	40.50	+7	29.50	+1	43.06	+8
9	34.92	−7	6.35	+4	25.56	−23	40.82	+5	29.55	0	43.39	+8
10	34.74	−8	6.65	+1	25.23	−28	41.14	+3	29.60	−1	43.73	+6
11	34.56	−7	6.94	−2	24.88	−28	41.46	0	29.64	−2	44.07	+3
12	34.38	−5	7.23	−4	24.50	−24	41.78	−3	29.68	−2	44.41	0
13	34.18	−3	7.51	−6	24.11	−16	42.10	−5	29.71	−2	44.75	−2
14	33.98	0	7.80	−6	23.69	−6	42.42	−6	29.75	−2	45.10	−5
15	33.78	+3	8.08	−6	23.25	+6	42.74	−7	29.78	−1	45.44	−7
16	33.57	+6	8.36	−5	22.79	+17	43.05	−6	29.81	0	45.79	−8
17	33.35	+8	8.64	−3	22.32	+27	43.37	−5	29.84	+1	46.13	−7
18	33.13	+9	8.91	0	21.82	+34	43.68	−2	29.86	+2	46.48	−6
19	32.90	+9	9.18	+3	21.30	+35	43.99	+1	29.88	+3	46.83	−3
20	32.67	+7	9.45	+6	20.76	+31	44.30	+4	29.90	+3	47.18	0
21	32.43	+4	9.71	+7	20.20	+21	44.61	+6	29.92	+3	47.54	+3
22	32.18	0	9.97	+7	19.62	+8	44.92	+7	29.93	+2	47.89	+5
23	31.93	−3	10.23	+6	19.02	−6	45.23	+6	29.94	+1	48.24	+6
24	31.68	−5	10.49	+2	18.40	−18	45.53	+4	29.95	0	48.60	+5
25	31.42	−6	10.74	−1	17.76	−26	45.83	0	29.95	−2	48.95	+3
26	31.15	−6	10.99	−5	17.10	−26	46.13	−3	29.96	−3	49.30	0
27	30.88	−3	11.24	−7	16.43	−19	46.43	−6	29.96	−3	49.66	−3
28	30.61	0	11.49	−8	15.73	−9	46.73	−7	29.96	−2	50.01	−6
29	30.33	+2	11.73	−6	15.01	+3	47.02	−7	29.95	−1	50.37	−6
30	30.05	+4	11.97	−3	14.27	+13	47.31	−4	29.94	0	50.73	−5
31	29.76	+5	12.20	0	13.52	+18	47.60	−1	29.93	+1	51.08	−3
Aug. 1	29.47	+4	12.43	+4	12.74	+17	47.88	+3	29.92	+2	51.44	+1
2	29.17	+1	12.66	+6	11.95	+10	48.17	+6	29.90	+2	51.79	+4
3	28.87	−2	12.88	+7	11.14	0	48.45	+8	29.88	+2	52.15	+7
4	28.56	−5	13.10	+7	10.31	−11	48.73	+8	29.86	+1	52.51	+8
5	28.25	−7	13.32	+5	9.46	−21	49.01	+6	29.84	0	52.87	+8
6	27.94	−8	13.53	+2	8.60	−27	49.28	+4	29.81	−1	53.22	+7
7	27.62	−8	13.74	−1	7.71	−29	49.56	+1	29.78	−2	53.58	+5
8	27.30	−6	13.95	−3	6.81	−26	49.83	−2	29.75	−2	53.94	+2
9	26.97	−4	14.15	−5	5.89	−20	50.10	−4	29.72	−3	54.29	−2
10	26.64	−1	14.35	−6	4.95	−10	50.37	−6	29.68	−2	54.65	−4
sec δ, tg δ	86° 37′ 0″	16.945	+16.915		89° 1′ 40″	58.936	+58.927		82° 14′ 40″	7.410	+7.343	
	10	16.958	+16.929		50	59.104	+59.096		50	7.413	+7.345	

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 58^m$	in s 0.01	+85° 50′	in ″ 0.01	$1^h 33^m$	in s 0.01	+88° 53′	in ″ 0.01	$4^h 11^m$	in s 0.01	+85° 20′	in ″ 0.01
Aug. 10	10.16	−6	16.06	+2	55.15	−20	5.96	+3	40.93	−2	35.45	+6
11	10.41	−7	16.31	−1	56.16	−24	6.16	0	41.23	−5	35.42	+4
12	10.65	−7	16.56	−4	57.17	−25	6.36	−3	41.53	−7	35.40	+2
13	10.89	−6	16.82	−7	58.17	−22	6.57	−6	41.83	−8	35.39	−1
14	11.13	−4	17.08	−9	59.17	−15	6.79	−8	42.13	−8	35.38	−4
15	11.37	−1	17.35	−10	60.16	−5	7.01	−10	42.44	−7	35.37	−7
16	11.60	+2	17.62	−9	61.14	+6	7.23	−9	42.74	−4	35.37	−8
17	11.83	+5	17.89	−7	62.11	+15	7.46	−7	43.04	−1	35.38	−8
18	12.06	+6	18.17	−3	63.07	+21	7.69	−4	43.34	+2	35.39	−7
19	12.28	+6	18.45	+1	64.02	+21	7.93	0	43.65	+4	35.40	−4
20	12.51	+4	18.73	+4	64.97	+16	8.17	+3	43.95	+5	35.42	0
21	12.72	+2	19.02	+6	65.90	+6	8.41	+6	44.25	+5	35.44	+4
22	12.94	−2	19.31	+6	66.83	−6	8.66	+7	44.56	+3	35.47	+7
23	13.15	−5	19.60	+5	67.75	−18	8.91	+6	44.86	0	35.50	+8
24	13.36	−7	19.90	+2	68.66	−24	9.17	+4	45.16	−3	35.54	+7
25	13.56	−7	20.20	−1	69.55	−24	9.43	0	45.47	−5	35.58	+4
26	13.76	−5	20.50	−3	70.44	−19	9.69	−3	45.77	−5	35.62	+1
27	13.96	−2	20.81	−5	71.32	−7	9.96	−4	46.08	−4	35.67	−2
28	14.15	+2	21.12	−4	72.19	+6	10.23	−5	46.39	−1	35.73	−5
29	14.34	+5	21.43	−3	73.04	+19	10.50	−3	46.69	+2	35.79	−6
30	14.53	+7	21.75	0	73.88	+27	10.78	−1	47.00	+5	35.85	−5
31	14.71	+8	22.07	+3	74.71	+30	11.06	+2	47.30	+7	35.92	−3
Sept. 1	14.89	+7	22.39	+6	75.53	+27	11.35	+5	47.60	+9	36.00	−1
2	15.07	+5	22.71	+8	76.34	+20	11.64	+7	47.91	+8	36.07	+2
3	15.24	+3	23.04	+8	77.13	+11	11.93	+8	48.21	+7	36.16	+4
4	15.41	0	23.37	+8	77.92	0	12.23	+8	48.51	+5	36.24	+6
5	15.58	−3	23.70	+6	78.69	−10	12.53	+6	48.82	+2	36.33	+7
6	15.74	−5	24.03	+3	79.45	−18	12.83	+4	49.12	−1	36.43	+6
7	15.90	−6	24.36	0	80.20	−23	13.14	+1	49.42	−4	36.53	+5
8	16.05	−7	24.70	−3	80.93	−25	13.45	−2	49.72	−6	36.64	+3
9	16.20	−6	25.05	−6	81.66	−23	13.76	−5	50.03	−8	36.75	0
10	16.35	−5	25.39	−8	82.37	−18	14.07	−7	50.33	−8	36.87	−3
11	16.49	−2	25.74	−9	83.07	−9	14.39	−9	50.62	−7	36.99	−6
12	16.63	+1	26.08	−9	83.76	+2	14.71	−9	50.92	−6	37.11	−8
13	16.76	+3	26.43	−8	84.43	+11	15.03	−8	51.22	−3	37.24	−9
14	16.90	+5	26.78	−5	85.09	+19	15.36	−6	51.51	0	37.37	−8
15	17.03	+6	27.14	−1	85.74	+21	15.68	−2	51.81	+3	37.51	−5
16	17.15	+5	27.49	+2	86.37	+18	16.01	+1	52.10	+4	37.65	−2

sec δ, tg δ								
	85° 50′ 20″	13.781	+13.745	88° 53′ 10″	51.441	+51.431	85° 20′ 30″	12.313	+12.273
	30	13.791	+13.754	20	51.569	+51.560	40	12.321	+12.280

Tag	51 Hev. Cephei 5ᵐ.2				1 Hev. Draconis 4ᵐ.3				ε Ursae minoris 4ᵐ.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h 4^m$	in s 0.01	+87° 9′	in ″ 0.01	$9^h 25^m$	in s 0.01	+81° 39′	in ″ 0.01	$16^h 53^m$	in s 0.01	+82° 10′	in ″ 0.01
Aug. 10	22.15	+ 2	65.20	+ 6	58.88	+ 3	70.43	+ 2	53.62	0	27.68	− 6
11	22.47	− 3	64.94	+ 7	58.91	+ 2	70.09	+ 5	53.47	+ 1	27.79	− 6
12	22.81	− 7	64.68	+ 6	58.93	+ 1	69.75	+ 7	53.31	+ 2	27.90	− 4
13	23.14	−11	64.43	+ 5	{58.96 {58.99	− 1 − 3	69.41 69.08	+ 8 + 8	53.14	+ 3	28.00	− 2
14	23.48	−14	64.17	+ 2	59.02	− 4	68.74	+ 7	52.98	+ 3	28.10	+ 1
15	23.83	−14	63.92	− 1	59.06	− 5	68.40	+ 5	52.82	+ 3	28.19	+ 4
16	24.18	−13	63.67	− 4	59.09	− 5	68.06	+ 2	52.65	+ 2	28.27	+ 7
17	24.54	− 9	63.43	− 6	59.13	− 4	67.72	− 2	52.49	+ 1	28.35	+ 8
18	24.90	− 3	63.19	− 7	59.17	− 3	67.38	− 4	52.32	0	28.43	+ 8
19	25.27	+ 2	62.95	− 6	59.21	0	67.05	− 6	52.15	− 1	28.50	+ 6
20	25.64	+ 7	62.71	− 3	59.26	+ 2	66.71	− 5	51.98	− 2	28.57	+ 3
21	26.02	+ 9	62.48	0	59.31	+ 3	66.37	− 3	51.82	− 2	28.63	− 1
22	26.41	+ 9	62.25	+ 3	59.36	+ 4	66.03	0	51.65	− 1	28.69	− 5
23	26.79	+ 7	62.02	+ 6	59.41	+ 4	65.70	+ 3	51.47	0	28.74	− 7
24	27.19	+ 3	61.80	+ 7	59.46	+ 3	65.36	+ 5	51.30	0	28.79	− 8
25	27.59	− 2	61.58	+ 7	59.51	+ 1	65.02	+ 6	51.13	+ 1	28.83	− 6
26	27.99	− 5	61.36	+ 4	59.57	− 1	64.68	+ 5	50.95	+ 2	28.86	− 4
27	28.40	− 7	61.15	0	59.63	− 2	64.34	+ 3	50.78	+ 2	28.89	0
28	28.81	− 6	60.94	− 3	59.69	− 3	64.00	− 1	50.60	+ 1	28.92	+ 3
29	29.23	− 3	60.74	− 6	59.76	− 3	63.67	− 4	50.43	0	28.94	+ 6
30	29.64	+ 1	60.53	− 8	59.82	− 1	63.34	− 7	50.25	− 1	28.96	+ 7
31	30.07	+ 6	60.34	− 8	59.89	0	63.00	− 9	50.08	− 2	28.97	+ 6
Sept. 1	30.50	+10	60.14	− 6	59.96	+ 2	62.67	− 9	49.90	− 3	28.98	+ 4
2	30.93	+12	59.95	− 4	60.03	+ 3	62.34	− 7	49.72	− 3	28.98	+ 1
3	31.36	+12	59.76	− 1	60.11	+ 4	62.01	− 5	49.55	− 3	28.98	− 2
4	31.81	+11	59.58	+ 2	60.18	+ 4	61.68	− 2	49.37	− 2	28.97	− 4
5	32.25	+ 8	59.40	+ 4	60.26	+ 4	61.36	+ 1	49.19	− 1	28.96	− 6
6	32.70	+ 4	59.22	+ 6	60.34	+ 3	61.03	+ 3	49.02	0	28.94	− 7
7	33.15	− 1	59.05	+ 7	60.42	+ 1	60.70	+ 6	48.84	+ 1	28.91	− 6
8	33.60	− 5	58.88	+ 6	60.51	0	60.38	+ 7	48.67	+ 2	28.88	− 5
9	34.06	− 9	58.71	+ 5	60.60	− 2	60.06	+ 8	48.49	+ 2	28.85	− 3
10	34.52	−13	58.55	+ 3	60.69	− 4	59.74	+ 7	48.31	+ 3	28.81	0
11	34.99	−14	58.39	0	60.78	− 5	59.42	+ 5	48.14	+ 3	28.77	+ 3
12	35.45	−13	58.24	− 3	60.87	− 5	59.10	+ 3	47.96	+ 2	28.72	+ 6
13	35.93	−11	58.09	− 5	60.96	− 5	58.78	0	47.78	+ 1	28.67	+ 8
14	36.40	− 6	57.95	− 6	61.06	− 4	58.47	− 3	47.60	0	28.61	+ 8
15	36.88	− 1	57.81	− 6	61.16	− 2	58.16	− 4	47.42	− 1	28.54	+ 7
16	37.36	+ 4	57.67	− 4	61.26	+ 1	57.85	− 5	47.24	− 1	28.47	+ 4
sec δ, tg δ	87° 9′ 60″		20.230	+20.206	81° 39′ 60″		6.900	+6.827	82° 10′ 20″		7.342	+7.274
	70		20.250	+20.225	70		6.902	+6.829	30		7.345	+7.277

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 57^m$	in 0.01^s	+86° 37′	in 0.01″	$18^h 56^m$	in 0.01^s	+89° 1′	in 0.01″	$20^h 48^m$	in 0.01^s	+82° 14′	in 0.01″
Aug. 10	26.64^s	−1	14.35″	−6	64.95^s	−10	50.37″	−6	29.68^s	−2	54.65″	−4
11	26.31	+2	14.55	−6	64.00	+1	50.63	−7	29.64	−2	55.00	−6
12	25.97	+5	14.74	−6	63.03	+13	50.89	−7	29.60	−1	55.35	−8
13	25.63	+7	14.92	−4	62.05	+24	51.14	−6	29.56	0	55.70	−8
14	25.28	+9	15.11	−1	61.05	+32	51.39	−3	29.51	+2	56.05	−7
15	24.94	+9	15.28	+2	60.04	+36	51.64	0	29.46	+3	56.40	−5
16	24.58	+8	15.46	+5	59.01	+35	51.89	+3	29.41	+3	56.75	−2
17	24.23	+6	15.63	+7	57.96	+28	52.13	+5	29.36	+4	57.09	+1
18	23.87	+3	15.79	+7	56.90	+16	52.37	+7	29.30	+3	57.44	+4
19	23.51	−1	15.95	+6	55.82	+2	52.61	+6	29.24	+2	57.79	+6
20	23.14	−4	16.11	+4	54.73	−11	52.84	+5	29.18	0	58.13	+6
21	22.77	−5	16.26	0	53.62	−21	53.07	+2	29.12	−1	58.47	+4
22	22.40	−5	16.41	−3	52.50	−24	53.30	−2	29.05	−2	58.81	+1
23	22.03	−4	16.55	−6	51.36	−21	53.52	−5	28.98	−3	59.15	−2
24	21.65	−1	16.69	−8	50.21	−13	53.74	−7	28.91	−3	59.48	−5
25	21.27	+1	16.83	−7	49.05	−2	53.96	−7	28.84	−2	59.82	−6
26	20.89	+4	16.96	−5	47.87	+9	54.17	−5	28.76	−1	60.15	−6
27	20.51	+4	17.09	−1	46.68	+16	54.38	−2	28.68	+1	60.48	−4
28	20.12	+4	17.21	+2	45.47	+17	54.58	+2	28.60	+2	60.81	0
29	19.73	+2	17.33	+5	44.25	+12	54.78	+5	28.52	+2	61.14	+3
30	19.33	−1	17.44	+7	43.03	+3	54.98	+7	28.43	+2	61.46	+6
31	18.94	−4	17.55	+7	41.79	−9	55.17	+8	28.34	+1	61.78	+8
Sept. 1	18.54	−7	17.65	+6	40.53	−20	55.36	+7	28.25	0	62.10	+9
2	18.14	−8	17.75	+3	39.27	−27	55.55	+5	28.16	−1	62.42	+8
3	17.74	−8	17.84	0	37.99	−31	55.73	+2	28.06	−2	62.73	+6
4	17.33	−7	17.93	−2	36.70	−29	55.91	0	27.97	−2	63.05	+3
5	16.93	−5	18.02	−5	35.41	−24	56.08	−3	27.87	−3	63.36	0
6	16.52	−3	18.10	−6	34.10	−15	56.25	−5	27.77	−2	63.67	−3
7	16.11	0	18.18	−6	32.78	−4	56.42	−6	27.67	−2	63.98	−5
8	15.70	+3	18.25	−6	31.45	+7	56.58	−7	27.56	−1	64.28	−7
9	15.28	+6	18.32	−4	30.11	+18	56.74	−6	27.46	0	64.58	−8
10	14.87	+8	18.38	−2	28.76	+28	56.89	−4	27.34	+1	64.88	−7
11	14.46	+9	18.44	+1	27.40	+34	57.04	−2	27.23	+2	65.17	−5
12	14.04	+8	18.49	+4	26.03	+36	57.19	+1	27.12	+3	65.46	−3
13	13.62	+7	18.54	+6	24.65	+31	57.33	+4	27.00	+3	65.75	0
14	13.20	+4	18.58	+7	23.27	+22	57.46	+6	26.88	+3	66.04	+3
15	12.78	+1	18.62	+7	21.88	+10	57.59	+7	26.77	+2	66.32	+5
16	12.36	−2	18.65	+5	20.48	−4	57.72	+5	26.64	+1	66.60	+5

sec δ, tg δ									
	86° 37′ 10″	16.958	+16.929	89° 1′ 50″	59.104	+59.096	82° 14′ 60″	7.416	+7.348
	20	16.972	+16.943	60	59.274	+59.266	70	7.418	+7.351

Tag	43 Hev. Cephei 4^m.3				α Ursae minoris 2^m.0				Gr. 750 6^m.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	0^h 58^m s	in s 0.01	+85° 50′ ″	in ″ 0.01	1^h 34^m s	in s 0.01	+88° 53′ ″	in ″ 0.01	4^h 11^m s	in s 0.01	+85° 20′ ″	in ″ 0.01
Sept. 16	17.15	+5	27.49	+2	26.37	+18	16.01	+1	52.10	+4	37.65	−2
17	17.27	+2	27.85	+5	26.99	+9	16.35	+4	52.39	+6	37.80	+2
18	17.38	−1	28.21	+6	27.59	−3	16.68	+6	52.68	+3	37.95	+5
19	17.50	−4	28.57	+5	28.18	−15	17.02	+6	52.96	0	38.10	+7
20	17.60	−6	28.93	+3	28.75	−23	17.37	+4	53.25	−2	38.26	+7
21	17.70	−7	29.30	0	29.31	−26	17.71	+1	53.53	−5	38.42	+5
22	17.80	−6	29.66	−3	29.85	−23	18.05	−2	53.82	−6	38.59	+2
23	17.90	−4	30.03	−4	30.38	−13	18.40	−4	54.10	−5	38.76	−1
24	17.98	0	30.39	−5	30.90	0	18.75	−5	54.38	−3	38.94	−4
25	18.07	+4	30.76	−3	31.40	+14	19.10	−4	54.66	+1	39.12	−6
26	18.15	+7	31.13	−1	31.89	+24	19.45	−2	54.94	+4	39.30	−6
27	18.23	+8	31.50	+2	32.37	+30	19.80	+1	55.22	+7	39.49	−4
28	18.30	+8	31.88	+5	32.83	+30	20.16	+4	55.49	+9	39.68	−2
29	18.37	+7	32.25	+8	33.27	+25	20.52	+6	55.76	+9	39.88	+1
30	18.43	+4	32.62	+9	33.70	+16	20.88	+8	56.03	+8	40.08	+4
Okt. 1	18.49	+1	33.00	+8	34.11	+6	21.24	+8	56.30	+6	40.28	+6
2	18.54	−1	33.37	+7	34.50	−5	21.61	+7	56.56	+3	40.49	+7
3	18.59	−4	33.74	+5	34.88	−14	21.97	+5	56.83	0	40.70	+7
4	18.64	−6	34.12	+2	35.24	−20	22.34	+3	57.09	−3	40.91	+6
5	18.68	−7	34.49	−1	35.58	−24	22.70	0	57.35	−5	41.13	+4
6	18.72	−6	34.87	−4	35.91	−24	23.07	−3	57.61	−7	41.35	+1
7	18.75	−5	35.24	−7	36.23	−19	23.44	−6	57.86	−8	41.58	−2
8	18.78	−3	35.62	−8	36.52	−12	23.81	−8	58.12	−7	41.81	−5
9	18.80	0	35.99	−9	36.80	−2	24.19	−9	58.36	−6	42.04	−7
10	18.82	+2	36.37	−8	37.07	+8	24.56	−9	58.61	−4	42.28	−8
11	18.84	+5	36.75	−6	37.31	+17	24.93	−7	58.85	−1	42.52	−8
12	18.85	+6	37.12	−3	37.54	+21	25.30	−4	59.09	+2	42.77	−6
13	18.86	+6	37.50	+1	37.75	+20	25.68	0	59.33	+4	43.01	−3
14	18.86	+4	37.88	+4	37.94	+14	26.05	+3	59.57	+5	43.27	0
15	18.86	+1	38.25	+5	38.12	+2	26.43	+5	59.80	+3	43.52	+4
16	18.85	−3	38.63	+5	38.28	−11	26.80	+6	60.03	+1	43.78	+7
17	18.84	−6	39.00	+3	38.43	−21	27.18	+4	60.26	−2	44.04	+7
18	18.82	−7	39.38	+1	38.55	−27	27.55	+2	60.48	−4	44.31	+6
19	18.79	−7	39.75	−2	38.66	−26	27.93	−1	60.70	−6	44.58	+3
20	18.77	−5	40.12	−5	38.76	−19	28.30	−4	60.92	−6	44.85	0
21	18.73	−2	40.49	−6	38.83	−7	28.68	−5	61.13	−4	45.12	−3
22	18.70	+2	40.86	−5	38.88	+7	29.05	−5	61.34	−1	45.40	−6
23	18.66	+6	41.22	−3	38.92	+20	29.43	−3	61.55	+2	45.68	−6
sec δ, tg δ	85° 50′ 30″	13.791	+13.754		88° 53′ 20″	51.569	+51.560		85° 20′ 40″	12.321	+12.280	
	40	13.800	+13.764		30	51.698	+51.689		50	12.328	+12.287	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 4^m$	in ^{s} 0.01	+87° 9′	in ″ 0.01	$9^h\ 26^m$	in ^{s} 0.01	+81° 39′	in ″ 0.01	$16^h\ 53^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Sept. 16	^{s}37.36	+ 4	″57.67	− 4	^{s}1.26	+ 1	″57.85	− 5	^{s}47.24	− 1	″28.47	+ 4
17	37.84	+ 8	57.54	− 1	1.36	+ 3	57.54	− 4	47.07	− 2	28.40	+ 1
18	38.33	+ 8	57.41	+ 2	1.47	+ 4	57.23	− 1	46.89	− 1	28.32	− 3
19	38.82	+ 7	57.29	+ 6	1.57	+ 4	56.93	+ 2	46.72	− 1	28.24	− 6
20	39.31	+ 3	57.17	+ 7	1.68	+ 3	56.63	+ 5	46.54	0	28.15	− 8
21	39.80	− 1	57.06	+ 7	1.79	+ 1	56.33	+ 6	46.37	+ 1	28.05	− 7
22	40.30	− 5	56.95	+ 6	1.90	0	56.03	+ 6	46.20	+ 2	27.95	− 5
23	40.79	− 7	56.84	+ 2	2.02	− 2	55.73	+ 4	46.02	+ 2	27.85	− 1
24	41.29	− 7	56.74	− 2	2.13	− 3	55.44	+ 1	45.85	+ 1	27.74	+ 2
25	41.79	− 4	56.64	− 5	2.25	− 3	55.15	− 3	45.68	0	27.62	+ 5
26	42.29	0	56.55	− 8	2.37	− 2	54.87	− 6	45.50	− 1	27.50	+ 6
27	42.79	+ 4	56.46	− 8	2.49	0	54.59	− 8	45.33	− 2	27.38	+ 6
28	43.30	+ 9	56.38	− 7	2.61	+ 1	54.31	− 9	45.16	− 3	27.25	+ 5
29	43.81	+12	56.30	− 5	2.73	+ 3	54.03	− 9	44.99	− 3	27.12	+ 2
30	44.31	+13	56.23	− 2	2.86	+ 4	53.76	− 7	44.82	− 3	26.98	− 1
Okt. 1	44.82	+12	56.16	0	2.99	+ 4	53.49	− 4	44.65	− 2	26.84	− 3
2	45.33	+10	56.10	+ 3	3.12	+ 4	53.22	− 1	44.49	− 2	26.69	− 5
3	45.84	+ 6	56.04	+ 5	3.25	+ 3	52.45	+ 2	44.32	− 1	26.54	− 6
4	46.35	+ 2	55.98	+ 6	3.38	+ 2	52.69	+ 4	44.16	0	26.38	− 7
5	46.87	− 3	55.93	+ 6	3.51	0	52.43	+ 7	43.99	+ 1	26.22	− 5
6	47.38	− 7	55.88	+ 6	3.65	− 1	52.17	+ 7	43.83	+ 2	26.05	− 4
7	47.89	−11	55.84	+ 4	3.79	− 3	51.92	+ 7	43.67	+ 3	25.88	− 1
8	48.41	−13	55.80	+ 1	3.93	− 4	51.67	+ 6	43.51	+ 3	25.70	+ 2
9	48.92	−13	55.77	− 2	4.07	− 5	51.42	+ 4	43.35	+ 2	25.52	+ 4
10	49.44	−11	55.74	− 4	4.21	− 5	51.18	+ 1	43.20	+ 2	25.33	+ 6
11	49.96	− 8	55.72	− 6	4.35	− 4	50.94	− 2	43.04	+ 1	25.14	+ 8
12	50.47	− 3	55.70	− 6	4.49	− 2	50.71	− 4	42.89	0	24.95	+ 8
13	50.99	+ 2	55.69	− 5	4.64	0	50.47	− 5	42.73	− 1	24.75	+ 6
14	51.51	+ 6	55.69	− 3	4.79	+ 2	50.25	− 4	42.58	− 2	24.55	+ 2
15	52.02	+ 8	55.69	+ 1	4.93	+ 3	50.02	− 2	42.43	− 2	24.34	− 1
16	52.54	+ 7	55.69	+ 5	5.08	+ 3	49.80	+ 1	42.28	− 1	24.13	− 5
17	53.06	+ 4	55.70	+ 7	5.23	+ 3	49.58	+ 4	42.13	0	23.91	− 7
18	53.57	0	55.71	+ 8	5.38	+ 2	49.37	+ 6	41.98	+ 1	23.69	− 7
19	54.09	− 5	55.73	+ 7	5.53	0	49.16	+ 7	41.84	+ 2	23.46	− 6
20	54.60	− 7	55.75	+ 4	5.69	− 2	48.96	+ 6	41.69	+ 2	23.24	− 3
21	55.11	− 8	55.78	0	5.84	− 3	48.76	+ 3	41.55	+ 2	23.00	+ 1
22	55.63	− 6	55.81	− 4	6.00	− 3	48.56	− 1	41.41	+ 1	22.76	+ 4
23	56.14	− 3	55.85	− 7	6.15	− 2	48.37	− 5	41.27	0	22.52	+ 6
sec δ, tg δ	87° 9′ 50″ 60	20.210 20.230	+20.186 +20.206		81° 39′ 50″ 60	6.898 6.900	+6.825 +6.827		82° 10′ 20″ 30	7.342 7.345	+7.274 +7.277	

Tag	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 56^m$	in 0.01 s	+86° 37′	in 0.01 ″	$18^h 55^m$	in 0.01 s	+89° 1′	in 0.01 ″	$20^h 48^m$	in 0.01 s	+82° 15′	in 0.01 ″
Sept. 16	72.36 s	−2	18.65 ″	+5	80.48 s	−4	57.72 ″	+5	26.64 s	+1	6.60 ″	+5
17	71.94	−4	18.68	+2	79.07	−15	57.84	+3	26.52	0	6.88	+4
18	71.52	−5	18.70	−2	77.65	−21	57.96	−1	26.40	−2	7.15	+2
19	71.09	−4	18.72	−5	76.23	−21	58.07	−4	26.27	−3	7.42	−1
20	70.67	−2	18.74	−7	74.80	−14	58.18	−7	26.14	−3	7.68	−5
21	70.25	+1	18.75	−8	73.37	−3	58.28	−8	26.01	−2	7.94	−6
22	69.82	+3	18.75	−6	71.93	+7	58.38	−7	25.88	−1	8.20	−7
23	69.40	+5	18.75	−3	70.48	+15	58.47	−4	25.75	0	8.45	−5
24	68.98	+5	18.74	+1	69.03	+18	58.56	0	25.62	+1	8.70	−2
25	68.55	+3	18.73	+4	67.57	+15	58.65	+3	25.48	+2	8.95	+1
26	68.13	0	18.71	+7	66.11	+6	58.73	+7	25.34	+2	9.19	+5
27	67.70	−3	18.69	+7	64.64	−5	58.81	+8	25.20	+2	9.43	+8
28	67.27	−6	18.66	+7	63.17	−17	58.88	+8	25.06	+1	9.67	+9
29	66.85	−8	18.63	+4	61.70	−26	58.95	+6	24.91	0	9.90	+9
30	66.42	−9	18.60	+2	60.22	−32	59.01	+4	24.77	−1	10.13	+7
Okt. 1	66.00	−8	18.56	−1	58.74	−32	59.07	+1	24.62	−2	10.35	+4
2	65.58	−7	18.51	−4	57.25	−28	59.12	−2	24.47	−3	10.57	+1
3	65.15	−4	18.46	−5	55.76	−21	59.16	−4	24.33	−3	10.78	−2
4	64.73	−1	18.40	−6	54.27	−10	59.20	−6	24.18	−2	10.99	−4
5	64.32	+2	18.34	−6	52.78	+1	59.24	−7	24.02	−2	11.20	−6
6	63.90	+5	18.27	−5	51.29	+13	59.27	−6	23.87	−1	11.40	−7
7	63.48	+7	18.20	−3	49.79	+23	59.30	−5	23.72	+1	11.60	−7
8	63.06	+8	18.12	0	48.29	+30	59.32	−2	23.56	+2	11.79	−6
9	62.64	+8	18.04	+2	46.80	+34	59.34	0	23.41	+3	11.98	−4
10	62.23	+7	17.96	+5	45.30	+32	59.35	+3	23.25	+3	12.17	−1
11	61.82	+5	17.87	+7	43.81	+25	59.36	+5	23.09	+3	12.35	+2
12	61.41	+2	17.77	+7	42.31	+14	59.36	+7	22.93	+3	12.52	+4
13	61.00	−1	17.67	+6	40.81	+1	59.36	+6	22.77	+2	12.69	+5
14	60.59	−3	17.56	+3	39.32	−10	59.35	+4	22.60	0	12.85	+5
15	60.18	−5	17.45	0	37.83	−18	59.34	+1	22.44	−1	13.01	+3
16	59.78	−4	17.33	−4	36.34	−19	59.32	−3	22.28	−2	13.16	0
17	59.38	−2	17.21	−7	34.85	−15	59.29	−6	22.11	−3	13.31	−4
18	58.98	+1	17.09	−8	33.36	−5	59.26	−8	21.94	−2	13.45	−6
19	58.58	+3	16.96	−7	31.88	+6	59.23	−7	21.78	−2	13.59	−7
20	58.19	+5	16.82	−4	30.40	+16	59.19	−5	21.61	0	13.73	−6
21	57.80	+5	16.68	−1	28.92	+20	59.14	−2	21.44	+1	13.86	−4
22	57.41	+4	16.54	+3	27.45	+19	59.09	+2	21.27	+2	13.98	0
23	57.02	+2	16.39	+6	25.98	+12	59.03	+5	21.11	+2	14.10	+4
sec δ, tg δ	86° 37′ 10″		16.958	+16.929	89° 1′ 50″		59.104	+59.096	82° 15′ 10″		7.418	+7.351
	20		16.972	+16.943	60		59.274	+59.266	20		7.421	+7.353

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 58^m$	in s 0.01	+85° 50′	in ″ 0.01	$1^h 34^m$	in s 0.01	+88° 53′	in ″ 0.01	$4^h 12^m$	in s 0.01	+85° 20′	in ″ 0.01
Okt. 23	18.66	+6	41.22	−3	38.92	+20	29.43	−3	1.55	+2	45.68	−6
24	18.61	+8	41.59	+1	38.94	+28	29.80	0	1.75	+6	45.96	−5
25	18.56	+8	41.96	+4	38.94	+31	30.18	+3	1.95	+8	46.24	−3
26	18.51	+7	42.32	+7	38.92	+27	30.55	+6	2.15	+9	46.53	0
27	18.45	+5	42.68	+8	38.89	+20	30.92	+8	2.34	+9	46.82	+3
28	18.39	+2	43.04	+9	38.84	+10	31.29	+9	2.53	+7	47.11	+5
29	18.32	0	43.40	+8	38.77	−1	31.67	+8	2.72	+5	47.40	+7
30	18.25	−3	43.75	+6	38.68	−11	32.04	+7	2.90	+2	47.70	+7
31	18.17	−5	44.11	+2	38.58	−18	32.41	+4	3.08	−1	48.00	+6
Nov. 1	18.09	−6	44.46	0	38.45	−22	32.78	+1	3.26	−4	48.30	+5
2	18.00	−6	44.81	−3	38.31	−23	33.15	−2	3.43	−6	48.61	+3
3	17.91	−6	45.16	−5	38.15	−21	33.51	−5	3.60	−7	48.92	0
4	17.82	−4	45.51	−8	37.97	−15	33.88	−7	3.77	−7	49.23	−3
5	17.72	−1	45.85	−8	37.77	−6	34.25	−8	3.93	−6	49.54	−6
6	17.62	+2	46.19	−8	37.56	+5	34.61	−9	4.09	−4	49.85	−8
7	17.51	+4	46.53	−6	37.32	+14	34.97	−7	4.24	−1	50.17	−8
8	17.39	+6	46.87	−4	37.07	+21	35.33	−5	4.39	+1	50.49	−7
9	17.28	+6	47.20	0	36.81	+22	35.69	−1	4.53	+4	50.81	−5
10	17.15	+5	47.53	+3	36.52	+18	36.04	+2	4.67	+5	51.13	−1
11	17.03	+2	47.86	+5	36.21	+8	36.39	+5	4.80	+4	51.46	+2
12	16.90	−1	48.19	+5	35.89	−5	36.75	+6	4.93	+2	51.78	+5
13	16.76	−5	48.51	+4	35.55	−17	37.10	+5	5.06	−1	52.11	+7
14	16.62	−7	48.83	+2	35.19	−26	37.44	+3	5.18	−4	52.44	+7
15	16.48	−8	49.15	−2	34.81	−28	37.79	−1	5.30	−6	52.77	+4
16	16.33	−6	49.46	−4	34.41	−23	38.13	−3	5.41	−7	53.10	+1
17	16.18	−4	49.77	−6	34.00	−13	38.47	−6	5.52	−6	53.43	−2
18	16.02	0	50.08	−6	33.56	+1	38.81	−6	5.62	−3	53.76	−5
19	15.86	+4	50.38	−4	33.11	+14	39.15	−5	5.72	0	54.10	−6
20	15.70	+7	50.68	−1	32.64	+24	39.48	−2	5.81	+4	54.43	−6
21	15.53	+8	50.97	+2	32.15	+30	39.81	+1	5.90	+7	54.77	−4
22	15.36	+8	51.27	+5	31.65	+29	40.14	+4	5.99	+9	55.10	−2
23	15.18	+6	51.55	+8	31.13	+23	40.46	+7	6.07	+9	55.44	+2
24	15.00	+4	51.84	+9	30.60	+14	40.78	+8	6.15	+8	55.78	+5
25	14.81	+1	52.12	+8	30.05	+3	41.09	+8	6.22	+6	56.12	+6
26	14.62	−2	52.39	+7	29.48	−7	41.40	+7	6.29	+3	56.46	+7
27	14.43	−4	52.66	+5	28.89	−15	41.71	+5	6.35	0	56.80	+7
28	14.23	−6	52.93	+2	28.29	−21	42.02	+2	6.41	−3	57.13	+6
29	14.03	−6	53.19	−1	27.67	−23	42.32	−1	6.46	−5	57.47	+3
sec δ, tg δ	85° 50′ 40″	13.800	+13.764		88° 53′ 30″	51.698	+51.689		88° 20′ 50″	12.328	+12.287	
	50	13.809	+13.773		40	51.829	+51.819		60	12.335	+12.295	

Tag	51 Hev. Cephei 5^m.2				1 Hev. Draconis 4^m.3				ε Ursae minoris 4^m.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	7h 4m	in 0.01 s	+87° 9′	in 0.01″	9h 26m	in 0.01 s	+81° 39′	in 0.01″	16h 53m	in 0.01 s	+82° 10′	in 0.01″
Okt. 23	56.14 s	−3	55.85″	−7	6.15 s	−2	48.37″	−5	41.27 s	0	22.52″	+6
24	56.64	+2	55.89	−8	6.31	−1	48.18	−8	41.14	−1	22.28	+7
25	57.15	+7	55.94	−8	6.47	+1	48.00	−9	41.00	−2	22.02	+6
26	57.66	+11	55.99	−6	6.63	+3	47.82	−9	40.87	−3	21.77	+3
27	58.17	+13	56.05	−4	6.79	+4	47.65	−8	40.74	−3	21.51	0
28	58.67	+13	56.11	−1	6.95	+4	47.48	−5	40.61	−3	21.25	−2
29	59.17	+11	56.17	+2	7.12	+4	47.31	−2	40.48	−2	20.98	−5
30	59.67	+8	56.24	+5	7.28	+4	47.15	+1	40.36	−1	20.71	−6
31	60.17	+4	56.32	+6	7.45	+3	47.00	+3	40.24	0	20.44	−7
Nov. 1	60.66	−1	56.40	+7	7.61	+1	46.85	+6	40.12	+1	20.16	−6
2	61.16	−5	56.49	+6	7.78	0	46.70	+7	40.00	+2	19.88	−5
3	61.65	−9	56.58	+5	7.95	−2	46.56	+7	39.88	+2	19.59	−2
4	62.14	−12	56.68	+2	8.12	−4	46.43	+6	39.76	+3	19.31	0
5	62.63	−13	56.78	0	8.29	−5	46.30	+4	39.65	+3	19.01	+3
6	63.11	−12	56.89	−3	8.46	−5	46.18	+2	39.54	+2	18.72	+6
7	63.59	−9	57.00	−5	8.63	−4	46.06	−1	39.43	+1	18.42	+8
8	64.07	−4	57.11	−7	8.80	−3	45.94	−4	39.33	0	18.12	+8
9	64.54	+1	57.23	−6	8.98	−1	45.83	−5	39.23	−1	17.82	+7
10	65.01	+5	57.36	−4	9.15	+1	45.73	−5	39.13	−2	17.51	+4
11	65.48	+8	57.49	−1	9.32	+3	45.63	−3	39.03	−2	17.20	0
12	65.94	+8	57.63	+3	9.49	+3	45.53	0	38.94	−1	16.89	−3
13	66.40	+5	57.77	+6	9.67	+3	45.44	+3	38.85	0	16.57	−6
14	66.86	+1	57.92	+8	9.84	+2	45.36	+6	38.76	+1	16.25	−7
15	67.31	−4	58.07	+7	10.01	0	45.28	+7	38.67	+2	15.93	−6
16	67.76	−7	58.23	+5	10.18	−1	45.21	+7	38.59	+2	15.61	−4
17	68.20	−9	58.39	+2	10.35	−3	45.14	+5	38.51	+2	15.28	−1
18	68.64	−9	58.55	−2	10.53	−4	45.07	+1	38.43	+2	14.95	+3
19	69.07	−5	58.72	−5	10.70	−3	45.02	−2	38.35	+1	14.62	+6
20	69.50	−1	58.90	−7	10.88	−2	44.97	−6	38.28	−1	14.29	+7
21	69.92	+5	59.07	−8	11.05	0	44.92	−8	38.21	−2	13.95	+6
22	70.34	+9	59.26	−7	11.22	+2	44.88	−9	38.14	−3	13.62	+4
23	70.76	+12	59.44	−5	11.40	+3	44.85	−8	38.08	−3	13.28	+1
24	71.17	+13	59.63	−2	11.57	+4	44.82	−6	38.02	−3	12.94	−2
25	71.58	+12	59.83	+1	11.74	+4	44.80	−4	37.96	−2	12.59	−4
26	71.98	+10	60.03	+4	11.91	+4	44.78	−1	37.90	−1	12.25	−6
27	72.38	+6	60.24	+5	12.09	+3	44.77	+2	37.85	0	11.90	−7
28	72.77	+1	60.44	+6	12.26	+2	44.77	+5	37.80	+1	11.55	−7
29	73.15	−3	60.66	+6	12.43	0	44.77	+6	37.75	+1	11.20	−5
sec δ, tg δ	87° 9′ 50″		20.210	+20.186	81° 39′ 40″		6.895	+6.822	82° 10′ 10″		7.340	+7.271
	60		20.230	+20.206	50		6.898	+6.825	20		7.342	+7.274

Tag	δ Ursae minoris $4^m.3$ AR.	☾ Gl.	Dekl.	☾ Gl.	λ Ursae minoris $6^m.8$ AR.	☾ Gl.	Dekl.	☾ Gl.	76 Draconis. $6^m.0$ AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$17^h 56^m$	in 0.01 s	+86° 37′	in 0.01 ″	$18^h 54^m$	in 0.01 s	+89° 1′	in 0.01 ″	$20^h 48^m$	in 0.01 s	+82° 15′	in 0.01 ″
Okt. 23	57.02 s	+ 2	16.39 ″	+ 6	85.98 s	+12	59.03 ″	+ 5	21.11 s	+ 2	14.10 ″	+ 4
24	56.64	− 2	16.23	+ 7	84.52	+ 1	58.97	+ 8	20.94	+ 2	14.21	+ 7
25	56.25	− 5	16.07	+ 7	83.06	−12	58.90	+ 8	20.77	+ 1	14.32	+ 9
26	55.87	− 7	15.91	+ 5	81.61	−23	58.83	+ 7	20.60	0	14.42	+ 9
27	55.50	− 9	15.74	+ 3	80.16	−31	58.76	+ 5	20.43	− 1	14.52	+ 8
28	55.13	− 9	15.57	0	78.72	−33	58.68	+ 2	20.26	− 2	14.61	+ 6
29	54.76	− 8	15.39	− 3	77.29	−31	58.59	− 1	20.09	− 3	14.69	+ 3
30	54.40	− 5	15.20	− 5	75.86	−25	58.50	− 4	19.91	− 3	14.77	0
31	54.03	− 3	15.02	− 6	74.44	−16	58.41	− 5	19.74	− 3	14.85	− 3
Nov. 1	53.68	0	14.82	− 6	73.02	− 4	58.31	− 6	19.57	− 2	14.92	− 5
2	53.32	+ 3	14.63	− 6	71.62	+ 7	58.21	− 6	19.40	− 1	14.98	− 7
3	52.97	+ 6	14.43	− 4	70.22	+18	58.10	− 6	19.22	0	15.04	− 7
4	52.62	+ 7	14.22	− 2	68.83	+26	57.98	− 3	19.05	+ 1	15.10	− 6
5	52.28	+ 8	14.01	+ 1	67.45	+31	57.86	− 1	18.87	+ 2	15.15	− 4
6	51.94	+ 7	13.80	+ 4	66.08	+31	57.73	+ 2	18.70	+ 3	15.19	− 2
7	51.61	+ 5	13.58	+ 6	64.72	+26	57.60	+ 5	18.53	+ 3	15.23	+ 1
8	51.28	+ 3	13.36	+ 7	63.37	+17	57.46	+ 6	18.35	+ 3	15.26	+ 4
9	50.95	0	13.14	+ 7	62.03	+ 5	57.32	+ 7	18.18	+ 2	15.28	+ 5
10	50.63	− 3	12.91	+ 5	60.70	− 7	57.17	+ 5	18.00	+ 1	15.30	+ 6
11	50.31	− 4	12.67	+ 2	59.38	−16	57.02	+ 2	17.83	− 1	15.31	+ 4
12	50.00	− 5	12.44	− 2	58.07	−20	56.86	− 1	17.66	− 2	15.32	+ 1
13	49.69	− 3	12.19	− 6	56.78	−17	56.70	− 5	17.49	− 3	15.32	− 2
14	49.39	0	11.95	− 7	55.50	− 9	56.53	− 7	17.31	− 3	15.32	− 5
15	49.09	+ 3	11.70	− 8	54.23	+ 3	56.36	− 8	17.14	− 2	15.31	− 7
16	48.79	+ 5	11.44	− 6	52.97	+14	56.19	− 6	16.97	− 1	15.29	− 8
17	48.50	+ 6	11.18	− 2	51.73	+21	56.01	− 4	16.80	+ 1	15.27	− 6
18	48.22	+ 6	10.92	+ 1	50.50	+23	55.82	0	16.63	+ 2	15.24	− 2
19	47.94	+ 4	10.65	+ 5	49.28	+19	55.63	+ 4	16.46	+ 2	15.21	+ 1
20	47.67	0	10.39	+ 7	48.08	+ 8	55.44	+ 7	16.29	+ 2	15.17	+ 5
21	47.41	− 3	10.11	+ 7	46.89	− 4	55.24	+ 8	16.12	+ 2	15.12	+ 8
22	47.14	− 6	9.84	+ 6	45.72	−17	55.04	+ 8	15.95	+ 1	15.07	+ 9
23	46.89	− 8	9.56	+ 4	44.57	−27	54.83	+ 6	15.78	− 1	15.02	+ 8
24	46.64	− 9	9.28	+ 1	43.43	−33	54.62	+ 3	15.62	− 2	14.95	+ 7
25	46.39	− 8	8.99	− 2	42.32	−33	54.41	0	15.45	− 2	14.88	+ 4
26	46.15	− 6	8.70	− 4	41.20	−28	54.19	− 3	15.28	− 3	14.81	+ 1
27	45.92	− 4	8.41	− 6	40.11	−20	53.96	− 5	15.12	− 3	14.73	− 2
28	45.69	− 1	8.11	− 7	39.03	− 9	53.73	− 6	14.95	− 2	14.64	− 4
29	45.48	+ 2	7.81	− 6	37.98	+ 2	53.50	− 6	14.79	− 1	14.55	− 6

sec δ, tg δ	δ Ursae minoris	sec δ	tg δ	λ Ursae minoris	sec δ	tg δ	76 Draconis	sec δ	tg δ
	86° 37′ 10″	16.958	+16.929	89° 1′ 50″	59.104	+59.096	82° 15′ 10″	7.418	+7.351
	20	16.972	+16.943	60	59.274	+59.266	20	7.421	+7.353

Tag	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$0^h 58^m$ s	in s 0.01	+85° 50′ "	in " 0.01	$1^h 33^m$ s	in s 0.01	+88° 53′ "	in " 0.01	$4^h 12^m$ s	in s 0.01	+85° 20′ "	in " 0.01
Nov. 29	14.03	− 6	53.19	− 1	87.67	−23	42.32	− 1	6.46	− 5	57.47	+ 3
30	13.82	− 6	53.45	− 4	87.03	−21	42.62	− 4	6.50	− 7	57.81	+ 1
Dez. 1	13.62	− 4	53.70	− 7	86.37	−17	42.91	− 6	6.55	− 7	58.15	− 2
2	13.40	− 2	53.95	− 8	85.70	− 9	43.20	− 8	6.58	− 6	58.49	− 5
3	13.19	0	54.19	− 8	85.01	+ 1	43.49	− 8	6.61	− 5	58.83	− 7
4	12.97	+ 3	54.43	− 7	84.31	+11	43.77	− 8	6.64	− 2	59.17	− 8
5	12.75	+ 5	54.67	− 4	83.59	+19	44.05	− 5	6.66	+ 1	59.51	− 8
6	12.52	+ 6	54.90	− 1	82.85	+23	44.32	− 2	6.68	+ 3	59.85	− 6
7	12.29	+ 6	55.12	+ 2	82.10	+21	44.59	+ 1	6.69	+ 5	60.19	− 2
8	12.06	+ 4	55.34	+ 5	81.34	+13	44.85	+ 4	6.70	+ 5	60.52	+ 1
9	11.82	0	55.55	+ 6	80.56	+ 1	45.11	+ 6	6.70	+ 4	60.86	+ 5
10	11.58	− 3	55.76	+ 5	79.77	−11	45.37	+ 6	6.70	+ 1	61.19	+ 7
11	11.34	− 6	55.96	+ 3	78.96	−22	45.62	+ 4	6.69	− 2	61.53	+ 7
12	11.10	− 8	56.16	0	78.14	−27	45.87	+ 1	6.68	− 5	61.86	+ 6
13	10.85	− 7	56.35	− 3	77.30	−26	46.11	− 2	6.66	− 7	62.19	+ 3
14	10.60	− 5	56.54	− 6	76.45	−18	46.35	− 5	6.64	− 7	62.52	− 1
15	10.35	− 1	56.72	− 6	75.58	− 6	46.58	− 6	6.61	− 5	62.85	− 4
16	10.09	+ 2	56.90	− 6	74.70	+ 8	46.81	− 6	6.58	− 2	63.18	− 6
17	9.83	+ 6	57.07	− 3	73.81	+20	47.03	− 4	6.54	+ 2	63.50	− 7
18	9.57	+ 8	57.23	0	72.91	+27	47.25	− 1	6.49	+ 5	63.83	− 5
19	9.30	+ 8	57.39	+ 4	72.00	+29	47.46	+ 3	6.44	+ 8	64.15	− 3
20	9.04	+ 7	57.54	+ 7	71.07	+25	47.66	+ 6	6.39	+ 9	64.47	0
21	8.77	+ 4	57.69	+ 8	70.13	+17	47.86	+ 8	6.33	+ 8	64.79	+ 3
22	8.50	+ 2	57.83	+ 9	69.18	+ 7	48.06	+ 9	6.26	+ 6	65.10	+ 6
23	8.23	− 1	57.97	+ 8	68.21	− 4	48.25	+ 8	6.19	+ 4	65.42	+ 7
24	7.96	− 4	58.10	+ 5	67.24	−13	48.43	+ 6	6.12	+ 1	65.73	+ 7
25	7.68	− 5	58.22	+ 3	66.25	−19	48.61	+ 4	6.04	− 2	66.04	+ 6
26	7.40	− 6	58.34	0	65.26	−24	48.78	0	5.96	− 4	66.35	+ 4
27	7.12	− 6	58.45	− 3	64.25	−23	48.94	− 2	5.87	− 6	66.65	+ 2
28	6.84	− 5	58.55	− 6	63.24	−19	49.10	− 5	5.78	− 7	66.95	− 1
29	6.55	− 3	58.65	− 8	62.21	−12	49.25	− 7	5.68	− 7	67.24	− 4
30	6.27	0	58.74	− 9	61.18	− 3	49.40	− 8	5.58	− 6	67.54	− 6
31	5.98	+ 2	58.83	− 8	60.14	+ 7	49.54	− 8	5.47	− 4	67.83	− 8
32	5.70	+ 5	58.91	− 6	59.09	+16	49.68	− 6	5.36	− 1	68.12	− 8
sec δ, tg δ	85° 50′ 50″	13.809	+13.773		88° 53′ 40″	51.829	+51.819		85° 20′ 60″	12.335	+12.295	
	60	13.818	+13.782		50	51.959	+51.949		70	12.343	+12.302	

Tag	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$7^h\ 5^m$	in s 0.01	+87° 10′	in ″ 0.01	$9^h 26^m$	in s 0.01	+81° 39′	in ″ 0.01	$16^h 53^m$	in s 0.01	+82° 9′	in ″ 0.01
Nov. 29	13.15	− 3	0.66	+ 6	12.43	0	44.77	+ 6	37.75	+ 1	71.20	− 5
30	13.53	− 7	0.88	+ 5	12.60	− 1	44.78	+ 7	37.71	+ 2	70.85	− 3
Dez. 1	13.90	−11	1.10	+ 3	12.78	− 3	44.79	+ 7	37.67	+ 2	70.49	− 1
2	14.27	−12	1.32	0	12.95	− 4	44.81	+ 5	37.63	+ 3	70.14	+ 2
3	14.63	−12	1.56	− 2	13.12	− 5	44.83	+ 3	37.59	+ 2	69.78	+ 5
4	14.98	−10	1.79	− 5	13.29	− 4	44.86	0	37.56 37.53	+ 1 0	69.43 69.07	+ 7 + 8
5	15.33	− 6	2.03	− 6	13.46	− 3	44.90	− 3	37.50	− 1	68.71	+ 7
6	15.67	− 1	2.27	− 7	13.63	− 2	44.94	− 5	37.48	− 2	68.35	+ 5
7	16.01	+ 4	2.52	− 5	13.80	0	44.99	− 6	37.46	− 2	67.99	+ 2
8	16.33	+ 8	2.77	− 2	13.96	+ 2	45.04	− 5	37.44	− 2	67.63	− 2
9	16.65	+ 9	3.02	+ 1	14.13	+ 3	45.10	− 2	37.43	− 1	67.27	− 5
10	16.97	+ 7	3.28	+ 5	14.29	+ 4	45.16	+ 1	37.42	0	66.91	− 7
11	17.28	+ 4	3.54	+ 7	14.46	+ 3	45.23	+ 5	37.41	+ 1	66.55	− 7
12	17.58	− 1	3.81	+ 8	14.62	+ 1	45.31	+ 7	37.40	+ 2	66.19	− 5
13	17.87	− 6	4.07	+ 7	14.78	− 1	45.39	+ 7	37.40	+ 2	65.83	− 2
14	18.16	− 9	4.35	+ 4	14.94	− 2	45.48	+ 6	37.40	+ 2	65.47	+ 1
15	18.44	− 9	4.62	0	15.10	− 3	45.57	+ 3	37.40	+ 1	65.11	+ 5
16	18.71	− 7	4.90	− 4	15.26	− 3	45.67	− 1	37.41	0	64.75	+ 7
17	18.97	− 3	5.18	− 7	15.41	− 3	45.77	− 4	37.42	− 1	64.39	+ 7
18	19.23	+ 2	5.46	− 8	15.56	− 1	45.88	− 7	37.44	− 2	64.03	+ 6
19	19.48	+ 7	5.74	− 8	15.72	+ 1	46.00	− 9	37.46	− 3	63.67	+ 3
20	19.72	+11	6.03	− 6	15.87	+ 3	46.12	− 9	37.48	− 3	63.31	0
21	19.95	+13	6.32	− 3	16.02	+ 4	46.24	− 7	37.50	− 3	62.95	− 3
22	20.18	+13	6.61	0	16.17	+ 4	46.37	− 4	37.53	− 2	62.60	− 5
23	20.40	+11	6.91	+ 3	16.32	+ 4	46.51	− 1	37.55	− 1	62.25	− 7
24	20.61	+ 7	7.21	+ 5	16.46	+ 4	46.65	+ 1	37.59	0	61.89	− 7
25	20.81	+ 3	7.51	+ 6	16.61	+ 2	46.79	+ 4	37.62	+ 1	61.54	− 6
26	21.00	− 2	7.81	+ 7	16.75	+ 1	46.94	+ 6	37.66	+ 2	61.19	− 4
27	21.18	− 6	8.12	+ 6	16.90	− 1	47.10	+ 7	37.70	+ 2	60.84	− 2
28	21.36	−10	8.42	+ 4	17.03	− 3	47.26	+ 7	37.75	+ 3	60.50	+ 1
29	21.53	−12	8.73	+ 2	17.17	− 4	47.43	+ 6	37.80	+ 2	60.15	+ 4
30	21.68	−12	9.04	− 1	17.31	− 5	47.61	+ 4	37.85	+ 2	59.81	+ 6
31	21.83	−11	9.35	− 4	17.44	− 5	47.78	+ 1	37.91	+ 1	59.47	+ 8
32	21.98	− 7	9.67	− 6	17.57	− 4	47.97	− 2	37.96	0	59.13	+ 7
sec δ, tg δ	87° 10′ 0″	20.230	+20.206		81° 39′ 40″	6.895	+6.822		82° 9′ 60″	7.337	+7.269	
	10	20.250	+20.225		50	6.898	+6.825		70	7.340	+7.271	

Tag	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	17ʰ 56ᵐ	in s 0.01	+86° 36′	in ″ 0.01	18ʰ 54ᵐ	in s 0.01	+89° 1′	in ″ 0.01	20ʰ 48ᵐ	in s 0.01	+82° 15′	in ″ 0.01
Nov. 29	45.48	+2	67.81	−6	37.98	+2	53.50	−6	14.79	−1	14.55	−6
30	45.26	+5	67.51	−5	36.94	+13	53.26	−6	14.63	0	14.45	−7
Dez. 1	45.06	+7	67.21	−2	35.92	+23	53.02	−4	14.47	+1	14.35	−6
2	44.86	+8	66.90	0	34.92	+29	52.77	−2	14.31	+2	14.24	−5
3	44.66	+8	66.59	+3	33.94	+31	52.52	+1	14.16	+3	14.12	−3
4	44.47	+6	66.28	+5	32.97	+28	52.27	+4	14.00	+3	14.00	0
5	44.29	+3	65.97	+7	32.03	+20	52.01	+6	13.84	+3	13.87	+3
6	44.11	0	65.65	+7	31.11	+8	51.75	+7	13.69	+2	13.74	+5
7	43.94	−2	65.33	+6	30.21	−4	51.49	+6	13.54	+1	13.60	+6
8	43.78	−4	65.01	+3	29.33	−15	51.22	+4	13.38	0	13.46	+5
9	43.62	−5	64.69	−1	28.46	−21	50.95	0	13.24	−2	13.31	+3
10	43.47	−4	64.36	−4	27.62	−21	50.67	−3	13.09	−2	13.15	−1
11	43.33	−2	64.03	−7	26.80	−15	50.39	−6	12.94	−3	12.99	−4
12	43.19	+1	63.70	−8	26.00	−4	50.11	−8	12.80	−2	12.83	−7
13	43.06	+4	63.37	−7	25.23	+9	49.82	−7	12.66	−1	12.66	−8
14	42.94	+6	63.04	−4	24.47	+19	49.53	−5	12.51	0	12.48	−7
15	42.82	+6	62.71	0	23.74	+24	49.24	−2	12.37	+1	12.30	−4
16	42.71	+5	62.37	+4	23.03	+21	48.95	+2	12.24	+2	12.12	0
17	42.61	+2	62.03	+6	22.34	+15	48.65	+5	12.10	+2	11.93	+3
18	42.51	−1	61.70	+7	21.67	+3	48.35	+8	11.97	+2	11.73	+6
19	42.43	−5	61.36	+7	21.03	−10	48.05	+8	11.84	+1	11.53	+8
20	42.35	−7	61.02	+5	20.41	−22	47.75	+7	11.71	0	11.32	+9
21	42.28 42.21	−8 −8	60.68 60.33	+2 −1	19.82	−30	47.44	+4	11.58	−1	11.11	+7
22	42.16	−7	59.99	−4	19.25	−32	47.13	+1	11.46	−2	10.89	+5
23	42.11	−5	59.65	−6	18.70	−30	46.82	−2	11.33	−3	10.67	+2
24	42.07	−2	59.30	−6	18.18	−23	46.50	−4	11.21	−3	10.44	−1
25	42.03	+1	58.96	−6	17.68	−13	46.19	−6	11.09	−2	10.21	−4
26	42.00	+4	58.62	−5	17.20	−2	45.87	−6	10.97	−2	9.97	−5
27	41.98	+6	58.28	−3	16.75	+10	45.55	−6	10.85	−1	9.73	−7
28	41.97	+7	57.93	−1	16.33	+20	45.23	−5	10.74	0	9.48	−7
29	41.96	+8	57.59	+2	15.93	+27	44.91	−3	10.63	+1	9.24	−6
30	41.96	+7	57.25	+5	15.56	+31	44.59	0	10.52	+2	8.98	−4
31	41.97	+5	56.91	+7	15.21	+30	44.26	+3	10.42	+3	8.72	−1
32	41.99	+2	56.56	+7	14.89	+24	43.93	+5	10.31	+3	8.46	+2
sec δ, tg δ	86° 36′ 60″	16.945	+16.915		89° 1′ 40″	58.936	+58.927		82° 15′ 10″	7.418	+7.351	
	70	16.958	+16.929		50	59.104	+59.096		20	7.421	+7.353	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$	in s 0.01	−85° 10′	in ″ 0.01	$9^h 8^m$	in s 0.01	−85° 21′	in ″ 0.01	$12^h 46^m$	in s 0.01	−84° 41′	in ″ 0.01
	s		″		s		″		s		″	
Jan. 0	41.56	−2	12.70	+6	36.26	−3	5.96	−5	44.02	+2	40.18	−7
1	41.29	0	12.73	+6	36.39	−4	6.29	−2	44.28	0	40.26	−6
2	41.02	+2	12.76	+6	36.51	−4	6.62	0	44.54	−2	40.34	−4
3	40.76	+4	12.77	+4	36.64	−4	6.95	+3	44.79	−4	40.43	−2
4	40.49	+5	12.79	+2	36.75	−3	7.29	+6	45.05	−5	40.53	+1
5	40.22	+5	12.79	−1	36.86	−1	7.63	+8	45.31	−6	40.64	+4
6	39.95	+5	12.79	−4	36.97	+1	7.97	+9	45.56	−5	40.75	+7
7	39.68	+4	12.79	−7	37.08	+3	8.31	+8	45.82	−4	40.86	+9
8	39.41	+1	12.78	−9	37.17	+5	8.66	+6	46.07	−1	40.98	+10
9	39.14	−1	12.76	−10	37.27	+6	9.01	+3	46.32	+1	41.11	+9
10	38.87	−3	12.74	−9	37.36	+6	9.36	−1	46.57	+3	41.24	+6
11	38.60	−5	12.71	−6	37.45	+5	9.71	−4	46.82	+5	41.38	+3
12	38.34	−5	12.67	−2	37.53	+3	10.07	−6	47.06	+5	41.52	−1
13	38.07	−4	12.63	+2	37.60	0	10.43	−7	47.31	+4	41.67	−5
14	37.80	−2	12.58	+6	37.67	−3	10.79	−5	47.56	+2	41.83	−7
15	37.53	0	12.52	+8	37.74	−5	11.15	−3	47.80	−1	41.99	−7
16	37.26	+3	12.46	+8	37.80	−6	11.51	0	48.04	−3	42.15	−6
17	36.99	+5	12.40	+6	37.85	−6	11.87	+3	48.28	−5	42.33	−3
18	36.72	+5	12.32	+3	37.90	−4	12.24	+5	48.52	−5	42.50	0
19	36.45	+4	12.24	0	37.95	−2	12.61	+6	48.76	−4	42.69	+3
20	36.18	+2	12.16	−3	37.99	+1	12.98	+4	49.00	−2	42.88	+4
21	35.91	0	12.07	−5	38.03	+3	13.35	+1	49.23	+1	43.08	+4
22	35.65	−3	11.97	−5	38.06	+4	13.72	−2	49.47	+3	43.28	+3
23	35.38	−5	11.87	−3	38.08	+4	14.09	−5	49.70	+5	43.48	+1
24	35.11	−6	11.76	−1	38.10	+3	14.47	−7	49.93	+6	43.69	−2
25	34.85	−6	11.64	+2	38.12	+1	14.84	−8	50.15	+6	43.91	−4
26	34.59	−4	11.52	+4	38.13	−1	15.22	−7	50.38	+4	44.13	−6
27	34.33	−3	11.40	+6	38.13	−2	15.59	−6	50.60	+3	44.36	−7
28	34.07	−1	11.26	+7	38.13	−4	15.97	−4	50.82	0	44.59	−7
29	33.81	+2	11.12	+7	38.13	−4	16.35	−1	51.04	−2	44.83	−5
30	33.55	+3	10.98	+5	38.12	−4	16.73	+2	51.26	−3	45.07	−3
31	33.29	+4	10.83	+3	38.11	−4	17.11	+5	51.48	−5	45.31	0
Febr. 1	33.03	+5	10.67	0	38.09	−2	17.49	+7	51.69	−6	45.56	+3
2	32.78	+5	10.51	−3	38.07	0	17.86	+8	51.90	−6	45.82	+6
3	32.53	+4	10.35	−6	38.05	+2	18.24	+8	52.11	−5	46.07	+9
4	32.28	+2	10.17	−9	38.01	+4	18.62	+7	52.31	−3	46.34	+10
5	32.03	0	10.00	−10	37.98	+6	18.99	+5	52.52	0	46.60	+10
6	31.78	−2	9.82	−10	37.94	+7	19.37	+1	52.72	+2	46.87	+8

sec δ, tg δ									
	85° 10′ 10″	11.875	−11.833	85° 21′ 10″	12.343	−12.302	84° 41′ 40″	10.815	−10.768
	20	11.882	−11.840	20	12.350	−12.309	50	10.820	−10.774

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$ s	in s 0.01	$-87° 49'$ "	in " 0.01	$16^h 31^m$ s	in s 0.01	$-86° 13'$ "	in " 0.01	$18^h 8^m$ s	in s 0.01	$-87° 39'$ "	in " 0.01
Jan. 0	17.61	+ 8	43.13	− 5	17.68	+ 7	17.47	− 3	40.40	+12	36.98	− 1
1	18.20	+ 3	43.02	− 6	17.94	+ 4	17.23	− 5	40.61	+ 9	36.66	− 3
2	18.79	− 2	42.91	− 6	18.20	+ 1	17.00	− 6	40.83	+ 5	36.34	− 5
3	19.39	− 8	42.81	− 4	18.47	− 2	16.77	− 6	41.06	0	36.02	− 6
4	19.99	−12	42.72	− 2	18.74	− 6	16.54	− 5	41.30	− 5	35.71	− 7
5	20.59	−15	42.63	0	19.02	− 9	16.32	− 3	41.55	−11	35.40	− 6
6	21.20	−16	42.55	+ 3	19.30	−10	16.10	0	41.81	−15	35.09	− 4
7	21.81	−14	42.47	+ 7	19.59	−11	15.89	+ 3	42.07	−17	34.78	− 1
8	22.43	−10	42.40	+ 9	19.88	− 9	15.68	+ 6	42.35	−17	34.47	+ 2
9	23.05	− 4	42.34	+ 9	20.18	− 6	15.48	+ 8	42.64	−14	34.16	+ 5
10	23.68	+ 3	42.28	+ 8	20.48	− 2	15.28	+ 8	42.94	− 8	33.86	+ 7
11	24.31	+ 9	42.23	+ 6	20.79	+ 2	15.08	+ 7	43.25	− 1	33.56	+ 7
12	24.94	+12	42.18	+ 2	21.10	+ 6	14.89	+ 4	43.56	+ 6	33.26	+ 6
13	25.57	+12	42.14	− 2	21.41	+ 8	14.70	0	43.89	+11	32.97	+ 3
14	26.21	+ 9	42.10	− 6	21.73	+ 8	14.52	− 4	44.22	+13	32.68	− 1
15	26.85	+ 4	42.07	− 8	22.05	+ 6	14.34	− 7	44.56	+12	32.39	− 4
16	27.49	− 3	42.05	− 8	22.37	+ 2	14.17	− 8	44.91	+ 8	32.10	− 7
17	28.13	− 8	42.03	− 6	22.70	− 1	14.00	− 8	45.27	+ 3	31.82	− 8
18	28.77	−10	42.02	− 3	23.03	− 4	13.84	− 5	45.63	− 3	31.53	− 6
19	29.41	−10	42.01	0	23.36	− 5	13.68	− 2	46.01	− 7	31.26	− 4
20	30.06	− 6	42.01	+ 3	23.70	− 5	13.53	+ 2	46.39	− 8	30.98	0
21	30.71	− 1	42.02	+ 5	24.04	− 3	13.38	+ 4	46.78	− 7	30.71	+ 3
22	31.36	+ 5	42.03	+ 5	24.39	+ 1	13.24	+ 6	47.18	− 3	30.44	+ 6
23	32.01	+11	42.04	+ 4	24.73	+ 4	13.10	+ 6	47.59	+ 2	30.17	+ 7
24	32.67	+14	42.07	− 2	25.08	+ 7	12.96	+ 5	48.00	+ 7	29.91	+ 7
25	33.32	+15	42.10	− 1	25.44	+ 8	12.84	+ 3	48.43	+10	29.65	+ 5
26	33.97	+13	42.13	− 3	25.79	+ 9	12.71	0	48.86	+13	29.39	+ 3
27	34.62	+10	42.17	− 5	26.15	+ 8	12.59	− 2	49.29	+13	29.14	0
28	35.27	+ 5	42.22	− 6	26.51	+ 6	12.48	− 5	49.74	+11	28.89	− 2
29	35.92	0	42.27	− 6	26.87	+ 3	12.37	− 6	50.19	+ 7	28.64	− 5
30	36.57	− 6	42.33	− 5	27.24	− 1	12.27	− 6	50.65	+ 3	28.40	− 6
31	37.22	−11	42.40	− 3	27.61	− 4	12.17	− 6	51.12	− 3	28.16	− 7
Febr. 1	37.87	−14	42.47	− 1	27.97	− 8	12.08	− 4	51.59	− 9	27.93	− 6
2	38.53	−16	42.54	+ 2	28.35	−10	11.99	− 1	52.07	−14	27.69	− 5
3	39.18	−15	42.62	+ 5	28.72	−11	11.91	+ 2	52.56	−17	27.47	− 2
4	39.82	−12	42.71	+ 8	29.09	−10	11.84	+ 5	53.05	−18	27.25	+ 1
5	40.47	− 7	42.80	+ 9	29.47	− 8	11.76	+ 7	53.54	−16	27.03	+ 4
6	41.12	0	42.89	+ 9	29.85	− 4	11.70	+ 9	54.05	−12	26.81	+ 6
sec δ, tg δ	87° 49′ 40″	26.383	−26.364		86° 13′ 10″	15.166	−15.133		87° 39′ 30″	24.475	−24.454	
	50	26.417	−26.398		20	15.178	−15.145		40	24.504	−24.483	

Tag	σ Octantis 6ᵐ AR.	☾ Gl.	Dekl.	☾ Gl.	β Octantis 4ᵐ.1 AR.	☾ Gl.	Dekl.	☾ Gl.	τ Octantis 6ᵐ AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$19^h 33^m$ s	in s 0.01	−89° 12′ ″	in ″ 0.01	$22^h 37^m$ s	in s 0.01	−81° 47′ ″	in ″ 0.01	$23^h 16^m$ s	in s 0.01	−87° 54′ ″	in ″ 0.01
Jan. 0	44.19	+29	45.41	+4	62.50	+2	41.32	+7	30.39	+2	55.57	+7
1	44.15	+32	45.06	+2	62.39	+3	41.10	+5	29.88	+6	55.39	+6
2	44.14	+30	44.71	−1	62.28	+3	40.88	+3	29.36	+9	55.20	+4
3	44.16	+24	44.36	−4	62.17	+3	40.66	0	28.84	+11	55.00	+1
4	44.22	+11	44.02	−6	62.07	+3	40.44	−3	28.33	+12	54.80	−2
5	44.30	−3	43.67	−7	61.97	+2	40.21	−6	27.83	+10	54.60	−5
6	44.41	−19	43.32	−8	61.87	0	39.97	−8	27.33	+6	54.39	−8
7	44.55	−33	42.97	−7	61.77	−1	39.73	−9	26.83	+1	54.17	−9
8	44.72	−44	42.62	−4	61.67	−3	39.48	−9	26.35	−5	53.95	−10
9	44.92	−49	42.27	−1	61.57	−4	39.23	−7	25.86	−11	53.73	−8
10	45.15	−45	41.92	+2	61.48	−5	38.97	−5	25.39	−14	53.50	−6
11	45.41	−33	41.57	+5	61.39	−4	38.71	−1	24.92	−15	53.26	−2
12	{45.70 {46.01	−14 +7	41.22 40.87	+7 +7	61.30	−3	38.45	+3	24.46	−13	53.02	+2
13	46.36	+25	40.52	+5	61.21	−1	38.18	+6	24.00	−7	52.77	+5
14	46.74	+38	40.17	+2	61.13	+1	37.91	+7	23.55	0	52.51	+7
15	47.16	+40	39.83	−2	61.05	+3	37.63	+6	23.11	+8	52.26	+7
16	47.60	+34	39.48	−5	60.97	+4	37.35	+4	22.68	+13	51.99	+5
17	48.07	+20	39.13	−7	60.89	+5	37.06	+1	22.26	+16	51.73	+2
18	48.57	+4	38.78	−6	60.81	+4	36.77	−2	21.84	+14	51.46	−1
19	49.10	−12	38.44	−5	60.73	+2	36.48	−4	21.43	+9	51.18	−3
20	49.65	−21	38.10	−1	60.66	0	36.18	−5	21.03	+3	50.90	−5
21	50.23	−23	37.76	+2	60.59	−2	35.88	−4	20.63	−4	50.62	−4
22	50.84	−18	37.42	+5	60.52	−3	35.57	−2	20.24	−9	50.33	−2
23	51.47	−7	37.08	+7	60.46	−3	35.26	+1	19.86	−12	50.04	0
24	52.14	+5	36.74	+8	60.39	−3	34.95	+4	19.49	−12	49.74	+3
25	52.83	+18	36.40	+7	60.33	−2	34.64	+7	19.13	−10	49.44	+6
26	53.55	+28	36.06	+5	60.27	0	34.32	+8	18.77	−5	49.14	+7
27	54.30	+33	35.73	+3	60.21	+1	34.00	+8	18.42	0	48.83	+8
28	55.07	+32	35.40	0	60.16	+2	33.68	+6	18.09	+4	48.52	+7
29	55.87	+27	35.07	−3	60.10	+3	33.35	+4	17.76	+8	48.21	+5
30	56.69	+17	34.74	−5	60.05	+3	33.02	+1	17.43	+11	47.89	+2
31	57.54	+4	34.41	−7	60.00	+3	32.69	−1	17.12	+12	47.57	−1
Febr. 1	58.41	−12	34.09	−8	59.95	+2	32.35	−5	16.81	+11	47.24	−4
2	59.31	−28	33.77	−7	59.91	+1	32.02	−7	16.52	+8	46.91	−7
3	60.24	−41	33.45	−5	59.87	−1	31.67	−9	16.23	+3	46.58	−9
4	61.19	−49	33.13	−3	59.83	−2	31.33	−10	15.95	−3	46.25	−10
5	62.16	−50	32.82	+1	59.79	−4	30.99	−9	15.68	−8	45.91	−9
6	63.16	−42	32.50	+4	59.76	−5	30.64	−6	15.41	−13	45.57	−7
sec δ, tg δ	89° 12′ 30″ 40	72.377 72.631	−72.369 −72.624		81° 47′ 30″ 40	7.004 7.006	−6.932 −6.935		87° 54′ 50″ 60	27.471 27.508	−27.453 −27.490	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m–5^m				ι Octantis 6^m–5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$	in ˢ 0.01	−85° 9′	in ″ 0.01	$9^h 8^m$	in ˢ 0.01	−85° 21′	in ″ 0.01	$12^h 46^m$	in ˢ 0.01	−84° 41′	in ″ 0.01
Febr. 6	31.78	−2	69.82	−10	37.94	+7	19.37	+1	52.72	+2	46.87	+8
7	31.53	−4	69.63	−8	37.89	+6	19.74	−2	52.91	+4	47.15	+5
8	31.29	−5	69.44	−4	37.84	+4	20.12	−5	53.11	+5	47.43	+1
9	31.05	−5	69.24	0	37.78	+2	20.50	−6	53.30	+4	47.71	−3
10	30.81	−3	69.03	+4	37.72	−1	20.87	−6	53.49	+3	48.00	−6
11	30.57	−1	68.82	+6	37.65	−4	21.25	−4	53.67	0	48.29	−7
12	30.34	+2	68.61	+8	37.58	−6	21.62	−1	53.86	−2	48.59	−7
13	30.11	+4	68.39	+7	37.51	−6	21.99	+3	54.04	−4	48.89	−4
14	29.88	+5	68.17	+5	37.43	−5	22.36	+5	54.21	−5	49.19	−1
15	29.65	+5	67.94	+1	37.35	−3	22.73	+6	54.39	−5	49.50	+1
16	29.42	+3	67.71	−2	37.26	0	23.09	+5	54.56	−3	49.81	+3
17	29.19	+1	67.47	−4	37.17	+2	23.46	+2	54.73	0	50.12	+4
18	28.97	−2	67.23	−5	37.07	+4	23.83	−1	54.90	+3	50.44	+3
19	28.75	−4	66.99	−4	36.97	+4	24.19	−4	55.06	+5	50.76	+1
20	28.53	−5	66.74	−2	36.87	+3	24.55	−7	55.22	+6	51.08	−1
21	28.32	−6	66.49	+1	36.76	+2	24.91	−8	55.38	+6	51.41	−4
22	28.10	−5	66.23	+4	36.64	0	25.27	−8	55.53	+5	51.74	−6
23	27.89	−4	65.97	+6	36.53	−2	25.62	−7	55.68	+3	52.07	−7
24	27.69	−2	65.70	+7	36.40	−3	25.98	−5	55.83	+2	52.40	−7
25	27.48	0	65.43	+7	36.28	−4	26.33	−2	55.97	−1	52.74	−6
26	27.28	+2	65.16	+6	36.15	−5	26.68	+1	56.11	−3	53.08	−4
27	27.08	+4	64.88	+4	36.01	−4	27.03	+4	56.25	−4	53.42	−2
28	26.88	+5	64.60	+2	35.87	−3	27.38	+6	56.38	−5	53.76	+1
März 1	26.69	+5	64.31	−1	35.73	−1	27.72	+8	56.51	−6	54.11	+4
2	26.50	+5	64.02	−5	35.58	+1	28.06	+8	56.64	−5	54.46	+7
3	26.31	+3	63.73	−7	35.43	+3	28.40	+8	56.76	−3	54.81	+9
4	26.13	+1	63.43	−9	35.28	+5	28.74	+6	56.88	−1	55.17	+10
5	25.95	−1	63.13	−10	35.12	+6	29.07	+3	57.00	+1	55.52	+9
6	25.77	−3	62.83	−9	34.96	+6	29.40	−1	57.11	+3	55.88	+6
7	25.60	−5	62.52	−6	34.80	+5	29.73	−3	57.22	+5	56.24	+3
8	25.42	−5	62.21	−2	34.63	+3	30.05	−5	57.33	+5	56.60	−1
9	25.25	−4	61.90	+1	34.46	0	30.37	−5	57.43	+3	56.96	−4
10	25.08	−2	61.58	+5	34.29	−3	30.69	−4	57.53	+1	57.32	−6
11	24.92	+1	61.26	+7	34.11	−5	31.01	−1	57.63	−2	57.68	−6
12	24.76	+4	60.94	+7	33.93	−6	31.32	+2	57.72	−4	58.05	−5
13	24.61	+5	60.61	+5	33.75	−5	31.63	+5	57.81	−5	58.41	−2
14	24.45	+5	60.29	+2	33.56	−3	31.94	+6	57.90	−5	58.78	+1
15	24.31	+4	59.96	−1	33.37	−1	32.24	+6	57.98	−4	59.15	+3
sec δ, tg δ	85° 9′ 60″	11.868	−11.826		85° 21′ 20″	12.350	−12.309		84° 41′ 50″	10.820	−10.774	
	70	11.875	−11.833		30	12.357	−12.317		60	10.826	−10.780	

Tag	Octantis 20 G. 7ᵐ				Octantis 26 G. 6ᵐ–7ᵐ				χ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$	in s 0.01	−87° 49′	in ″ 0.01	$16^h 31^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 8^m$	in s 0.01	−87° 39′	in ″ 0.01
Febr. 6	41.12	0	42.89	+ 9	29.85	− 4	11.70	+ 9	54.05	−12	26.81	+ 6
7	41.76	+ 6	42.99	+ 7	30.22	0	11.64	+ 8	54.55	− 5	26.61	+ 8
8	42.41	+10	43.10	+ 4	30.61	+ 4	11.58	+ 6	55.07	+ 2	26.40	+ 7
9	43.05	+11	43.21	0	30.99	+ 6	11.53	+ 2	55.59	+ 8	26.20	+ 4
10	43.69	+10	43.33	− 4	31.37	+ 7	11.48	− 2	56.12	+12	26.00	+ 1
11	44.33	+ 5	43.45	− 7	31.76	+ 6	11.44	− 5	56.65	+12	25.81	− 3
12	44.96	− 1	43.58	− 8	32.15	+ 3	11.41	− 8	57.19	+10	25.62	− 6
13	45.59	− 6	43.72	− 7	32.53	0	11.38	− 8	57.73	+ 5	25.44	− 8
14	46.22	−10	43.86	− 5	32.92	− 3	11.35	− 6	58.28	− 1	25.26	− 7
15	46.84	−10	44.00	− 1	33.31	− 5	11.33	− 4	58.83	− 5	25.09	− 5
16	47.47	− 8	44.15	+ 2	33.70	− 5	11.32	0	59.39	− 7	24.92	− 2
17	48.09	− 3	44.31	+ 4	34.09	− 3	11.31	+ 3	59.95	− 7	24.75	+ 2
18	48.71	+ 3	44.47	+ 5	34.49	0	11.30	+ 5	60.52	− 5	24.59	+ 5
19	49.32	+ 9	44.63	+ 4	34.88	+ 3	11.30	+ 6	61.09	+ 1	24.43	+ 7
20	49.93	+14	44.80	+ 2	35.27	+ 6	11.31	+ 5	61.66	+ 5	24.28	+ 7
21	50.54	+16	44.97	0	35.66	+ 8	11.32	+ 3	62.24	+10	24.13	+ 6
22	51.14	+15	45.15	− 3	36.05	+ 9	11.33	+ 1	62.82	+13	23.99	+ 4
23	51.74	+12	45.33	− 5	36.45	+ 9	11.35	− 2	63.41	+14	23.85	+ 1
24	52.34	+ 8	45.52	− 6	36.84	+ 7	11.38	− 4	64.00	+13	23.72	− 1
25	52.93	+ 2	45.71	− 6	37.23	+ 4	11.41	− 6	64.59	+10	23.59	− 4
26	53.52	− 3	45.91	− 6	37.63	+ 1	11.44	− 6	65.18	+ 5	23.46	− 6
27	54.10	− 8	46.11	− 4	38.02	− 2	11.48	− 6	65.78	0	23.34	− 6
28	54.68	−12	46.31	− 2	38.41	− 6	11.53	− 5	66.38	− 6	23.22	− 7
März 1	55.25	−15	46.52	+ 1	38.80	− 9	11.58	− 2	66.99	−11	23.11	− 5
2	55.82	−15	46.73	+ 4	39.19	−10	11.64	0	67.60	−15	23.00	− 3
3	56.38	−13	46.95	+ 7	39.58	−11	11.70	+ 3	68.21	−17	22.90	0
4	56.94	− 9	47.17	+ 9	39.97	− 9	11.76	+ 6	68.82	−17	22.80	+ 3
5	57.50	− 3	47.40	+10	40.36	− 6	11.83	+ 8	69.43	−14	22.71	+ 6
6	58.05	+ 3	47.63	+ 8	40.75	− 2	11.91	+ 9	70.05	− 8	22.62	+ 7
7	58.59	+ 8	47.87	+ 6	41.14	+ 2	11.99	+ 7	70.66	− 2	22.54	+ 7
8	59.13	+10	48.11	+ 2	41.52	+ 5	12.07	+ 4	71.28	+ 5	22.46	+ 5
9	59.67	+10	48.35	− 2	41.90	+ 6	12.16	0	71.90	+ 9	22.39	+ 2
10	60.20	+ 6	48.60	− 5	42.29	+ 6	12.26	− 4	72.53	+11	22.32	− 2
11	60.72	+ 1	48.85	− 7	42.67	+ 4	12.36	− 7	73.15	+ 9	22.26	− 5
12	61.24	− 5	49.10	− 7	43.05	0	12.46	− 8	73.78	+ 5	22.20	− 7
13	61.75	−10	49.36	− 5	43.43	− 3	12.57	− 7	74.41	0	22.15	− 8
14	62.25	−11	49.62	− 2	43.81	− 5	12.69	− 5	75.03	− 4	22.10	− 6
15	62.75	−10	49.89	+ 1	44.19	− 6	12.80	− 1	75.66	− 7	22.05	− 3
sec δ, tg δ	87° 49′ 40″	26.383	−26.364		86° 13′ 10″	15.166	−15.133		87° 39′ 20″	24.446	−24.425	
	50	26.417	−26.398		20	15.178	−15.145		30	24.475	−24.454	

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	19h 34m	in s 0.01	−89° 12′	in ″ 0.01	22h 37m	in s 0.01	−81° 47′	in ″ 0.01	23h 16m	in s 0.01	−87° 54′	in ″ 0.01
Febr. 6	3.16	−42	32.50	+4	59.76	−5	30.64	−6	15.41	−13	45.57	−7
7	4.18	−26	32.19	+6	59.73	−5	30.29	−3	15.16	−16	45.23	−4
8	5.23	−6	31.89	+7	59.70	−4	29.95	+1	14.92	−15	44.88	0
9	6.30	+14	31.58	+5	59.67	−2	29.59	+4	14.69	−10	44.53	+3
10	7.39	+30	31.28	+3	59.65	0	29.24	+6	14.46	−3	44.18	+6
11	8.50	+36	30.98	−1	59.63	+2	28.88	+6	14.24	+4	43.83	+7
12	9.64	+36	30.69	−4	59.61	+4	28.52	+5	14.04	+10	43.47	+6
13	10.79	+25	30.39	−6	59.59	+4	28.16	+2	13.84	+15	43.11	+3
14	11.97	+10	30.10	−7	59.57	+4	27.80	−1	13.65	+15	42.75	0
15	13.17	−5	29.81	−6	59.56	+3	27.44	−3	13.47	+12	42.39	−2
16	14.39	−17	29.53	−3	59.55	+1	27.08	−5	13.29	+6	42.02	−4
17	15.63	−22	29.25	+1	59.54	−1	26.71	−4	13.13	−1	41.66	−4
18	16.89	−19	28.97	+4	59.54	−2	26.34	−2	12.98	−7	41.29	−3
19	18.17	−10	28.70	+7	59.54	−3	25.98	+1	12.84	−11	40.92	0
20	19.47	+3	28.43	+8	59.54	−3	25.61	+3	12.70	−12	40.55	+2
21	20.79	+16	28.16	+8	59.54	−2	25.24	+6	12.58	−11	40.18	+5
22	22.12	+27	27.90	+6	59.54	0	24.87	+8	12.46	−7	39.80	+7
23	23.48	+34	27.63	+4	59.55	+1	24.50	+8	12.36	−2	39.43	+8
24	24.85	+35	27.37	+2	59.56	+2	24.13	+7	12.26	+3	39.05	+8
25	26.24	+31	27.12	−2	59.57	+3	23.76	+6	12.17	+7	38.67	+6
26	27.65	+23	26.87	−4	59.58	+3	23.39	+3	12.09	+10	38.30	+4
27	29.07	+11	26.62	−6	59.60	+3	23.02	0	12.02	+12	37.92	+1
28	30.51	−4	26.38	−7	59.61	+3	22.65	−3	11.96	+11	37.53	−2
März 1	31.97	−20	26.14	−7	59.64 59.66	+2 0	22.27 21.90	−6 −8	11.91	+9	37.15	−5
2	33.44	−35	25.91	−6	59.69	−2	21.53	−9	11.87	+5	36.77	−8
3	34.93	−45	25.68	−4	59.72	−3	21.16	−9	11.84	0	36.39	−9
4	36.43	−50	25.45	−1	59.75	−5	20.79	−7	11.82	−6	36.01	−10
5	37.95	−46	25.23	+2	59.78	−5	20.41	−4	11.80	−12	35.62	−8
6	39.48	−34	25.01	+5	59.82	−5	20.04	−1	11.80	−15	35.24	−6
7	41.03	−17	24.80	+6	59.85	−3	19.67	+2	11.81	−15	34.86	−2
8	42.59	+3	24.59	+6	59.89	−1	19.30	+5	11.82	−13	34.48	+1
9	44.16	+20	24.38	+4	59.93	+1	18.93	+6	11.84	−7	34.09	+4
10	45.74	+28	24.18	+1	59.98	+3	18.56	+5	11.88	+1	33.71	+6
11	47.34	+34	23.98	−3	60.02	+4	18.19	+3	11.92 11.97	+8 +13	33.32 32.94	+6 +4
12	48.95	+27	23.79	−6	60.07	+4	17.82	0	12.03	+15	32.55	+1
13	50.57	+14	23.60	−7	60.12	+3	17.46	−3	12.09	+14	32.17	−2
14	52.20	−2	23.41	−6	60.17	+1	17.09	−5	12.17	+8	31.79	−4
15	53.84	−14	23.23	−4	60.23	0	16.73	−5	12.26	+2	31.40	−5
sec δ, tg δ	89° 12′ 20″	72.123	−72.116		81° 47′ 20″	7.002	−6.930		87° 54′ 30″	27.398	−27.380	
	30	72.377	−72.369		30	7.004	−6.932		40	27.435	−27.417	

Tag	Octantis 4 G. 6^m				ζ Octantis $6^m - 5^m$				ι Octantis $6^m - 5^m$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$	in 0.01 s	−85° 9′	in 0.01 ″	$9^h 8^m$	in 0.01 s	−85° 21′	in 0.01 ″	$12^h 46^m$	in 0.01 s	−84° 41′	in 0.01 ″
	s		″		s		″		s		″	
März 15	24.31	+4	59.96	−1	33.37	−1	32.24	+6	57.98	−4	59.15	+3
16	24.16	+2	59.62	−3	33.17	+1	32.54	+4	58.06	−1	59.52	+4
17	24.02	−1	59.29	−5	32.98	+3	32.84	+1	58.14	+1	59.89	+4
18	23.88	−3	58.95	−4	32.77	+4	33.13	−3	58.21	+4	60.27	+3
19	23.75	−5	58.61	−2	32.57	+4	33.42	−6	58.28	+6	60.64	0
20	23.62	−6	58.27	0	32.36	+2	33.71	−8	58.35	+6	61.01	−3
21	23.49	−6	57.92	+3	32.15	+1	33.99	−9	58.41	+6	61.39	−6
22	23.37	−4	57.57	+5	31.94	−1	34.27	−8	58.47	+4	61.76	−7
23	23.25	−3	57.22	+7	31.72	−3	34.54	−6	58.52	+2	62.14	−8
24	23.13	−1	56.87	+7	31.50	−4	34.82	−4	58.57	0	62.51	−7
25	23.02	+2	56.52	+7	31.28	−5	35.08	−1	58.62	−2	62.89	−5
26	22.91	+3	56.16	+5	31.06	−5	35.34	+2	58.66	−4	63.26	−3
27	22.81	+5	55.81	+3	30.83	−4	35.60	+5	58.70	−5	63.64	0
28	22.70	+5	55.45	0	30.60	−2	35.86	+7	58.74	−5	64.01	+3
29	22.61	+5	55.09	−3	30.37	0	36.10	+8	58.77	−5	64.39	+6
30	22.51	+4	54.72	−6	30.14	+2	36.35	+8	58.80	−4	64.77	+8
31	22.42	+2	54.36	−8	29.90	+4	36.59	+6	58.83	−2	65.15	+9
April 1	22.33	0	54.00	−10	29.66	+6	36.83	+4	58.85	0	65.53	+9
2	22.25	−2	53.63	−9	29.42	+6	37.06	+1	58.87	+3	65.90	+7
3	22.17	−4	53.26	−7	29.18	+6	37.29	−2	58.89	+4	66.28	+4
4	22.10	−5	52.90	−4	28.93	+4	37.51	−5	58.90	+5	66.66	+1
5	22.03	−4	52.53	0	28.68	+1	37.73	−6	58.91	+4	67.03	−3
6	21.96	−2	52.16	+3	28.43	−1	37.95	−5	58.91	+2	67.40	−5
7	21.89	0	51.79	+6	28.18	−4	38.16	−2	58.92	−1	67.77	−6
8	21.83	+3	51.42	+7	27.93	−5	38.37	+1	58.91	−3	68.14	−5
9	21.77	+5	51.04	+5	27.68	−5	38.57	+4	58.91	−5	68.51	−2
10	21.72	+6	50.67	+3	27.42	−4	38.77	+6	58.90	−6	68.88	0
11	21.67	+5	50.30	0	27.16	−2	38.96	+7	58.89	−5	69.25	+3
12	21.63	+3	49.92	−3	26.90	+1	39.15	+5	58.87	−3	69.61	+5
13	21.59	+1	49.55	−5	26.64	+3	39.34	+2	58.85	0	69.98	+5
14	21.55	−2	49.18	−5	26.38	+4	39.52	−1	58.83	+3	70.34	+3
15	21.52	−4	48.80	−4	26.11	+4	39.69	−5	58.80	+5	70.70	+1
16	21.49	−6	48.43	−1	25.85	+3	39.86	−7	58.77	+6	71.07	−2
17	{21.47 {21.45	−6 −5	48.06 47.68	+2 +4	25.58	+1	40.02	−9	58.74	+6	71.43	−5
18	21.44	+3	47.31	+6	25.32	−1	40.18	−9	58.70	+5	71.78	−7
19	21.43	−1	46.94	+7	25.05	−2	40.33	−7	58.66	+3	72.14	−8
20	21.42	+1	46.57	+7	24.78	−4	40.48	−5	58.62	+1	72.50	−8
21	21.42	+3	46.20	+6	24.51	−5	40.62	−2	58.58	−1	72.85	−7
sec δ, tg δ	85° 9′ 50″ 60	11.862 11.868	−11.819 −11.826		85° 21′ 30″ 40	12.357 12.365	−12.317 −12.324		84° 41′ 60″ 70	10.826 10.832	−10.780 −10.785	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 49^m$	in ^{s} 0.01	−87° 49′	in ″ 0.01	$16^h 31^m$	in ^{s} 0.01	−86° 13′	in ″ 0.01	$18^h 9^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
März 15	$2^s.75$	−10	49″.89	+1	$44^s.19$	−6	12″.80	−1	$15^s.66$	−7	22″.05	−3
16	3.24	−5	50.16	+3	44.56	−5	12.93	+2	16.29	−8	22.01	0
17	3.72	0	50.43	+5	44.94	−2	13.05	+5	16.92	−5	21.98	+4
18	4.20	+7	50.70	+5	45.31	+2	13.18	+6	17.55	−1	21.95	+6
19	4.68	+12	50.98	+3	45.68	+5	13.32	+6	18.18	+4	21.92	+7
20	5.15	+15	51.26	+1	46.04	+8	13.46	+4	18.81	+9	21.90	+7
21	5.61	+16	51.55	−2	46.41	+10	13.60	+2	19.44	+13	21.89	+5
22	6.06	+14	51.84	−4	46.77	+10	13.75	−1	20.07	+14	21.88	+2
23	6.51	+10	52.13	−6	47.14	+8	13.90	−3	20.70	+14	21.87	0
24	6.94	+5	52.42	−7	47.49	+6	14.06	−5	21.32	+12	21.87	−3
25	7.37	0	52.71	−6	47.85	+3	14.22	−6	21.95	+8	21.88	−5
26	7.80	−6	53.01	−5	48.20	−1	14.38	−6	22.58	+3	21.89	−6
27	8.22	−10	53.31	−3	48.55	−4	14.55	−6	23.21	−3	21.90	−7
28	8.63	−14	53.61	−1	48.90	−7	14.72	−4	23.83	−8	21.92	−6
29	9.03	−15	53.92	+2	49.25	−9	14.90	−1	24.46	−13	21.95	−4
30	9.43	−14	54.23	+5	49.59	−10	15.08	+2	25.08	−16	21.98	−2
31	9.82	−10	54.54	+8	49.93	−9	15.27	+5	25.71	−17	22.01	+2
April 1	10.20	−5	54.85	+9	50.27	−7	15.46	+7	26.33	−15	22.05	+4
2	10.57	+1	55.17	+9	50.61	−4	15.65	+8	26.95	−10	22.09	+7
3	10.94	+6	55.49	+7	50.94	0	15.85	+8	27.57	−4	22.14	+7
4	11.30	+10	55.81	+4	51.27	+4	16.05	+5	28.19	+2	22.19	+6
5	11.65	+10	56.13	0	51.59	+6	16.26	+2	28.80	+7	22.25	+4
6	11.99	+8	56.46	−4	51.92	+6	16.46	−2	29.42	+10	22.31	0
7	12.33	+2	56.78	−6	52.23	+4	16.68	−5	30.03	+9	22.37	−4
8	12.66	−4	57.11	−7	52.55	+1	16.89	−7	30.64	+6	22.44	−7
9	12.98	−9	57.44	−6	52.86	−2	17.11	−7	31.24	+1	22.51	−8
10	13.29	−12	57.77	−3	53.17	−5	17.33	−6	31.85	−4	22.59	−7
11	13.59	−12	58.11	0	53.47	−6	17.56	−3	32.45	−8	22.68	−5
12	13.89	−9	58.44	+3	53.77	−6	17.79	+1	33.05	−9	22.77	−1
13	14.18	−3	58.78	+5	54.07	−4	18.02	+4	33.64	−8	22.86	+3
14	14.45	+4	59.12	+5	54.37	0	18.25	+6	34.24	−4	22.96	+6
15	14.72	+10	59.46	+4	54.66	+4	18.49	+6	34.82	+2	23.06	+7
16	14.99	+14	59.80	+2	54.95	+7	18.73	+5	35.41	+7	23.17	+7
17	15.24	+16	60.14	−1	55.23	+9	18.97	+3	35.99	+12	23.28	+6
18	15.48	+15	60.48	−3	55.51	+10	19.22	0	36.57	+14	23.40	+4
19	15.72	+12	60.83	−5	55.79	+9	19.47	−2	37.14	+15	23.52	+1
20	15.95	+8	61.17	−7	56.06	+7	19.72	−5	37.71	+13	23.64	−2
21	16.17	+2	61.52	−7	56.33	+4	19.98	−6	38.28	+10	23.77	−4
sec δ, tg δ	87° 49′ 50″	26.417	−26.398		86° 13′ 10″	15.166	−15.133		87° 39′ 20″	24.446	−24.425	
	60	26.451	−26.432		20	15.178	−15.145		30	24.475	−24.454	

Tag	σ Octantis 6m				β Octantis 4m.1				τ Octantis 6m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	19h 34m	in s 0.01	−89° 12′	in ″ 0.01	22h 38m	in s 0.01	−81° 47′	in ″ 0.01	23h 16m	in s 0.01	−87° 54′	in ″ 0.01
März 15	s 53.84	—14	″ 23.23	— 4	s 0.23	0	″ 16.73	— 5	s 12.26	+ 2	″ 31.40	— 5
16	55.49	—22	23.05	— 1	0.29	— 2	16.37	— 4	12.35	— 5	31.02	— 4
17	57.15	—21	22.88	+ 3	0.35	— 3	16.00	— 1	12.46	— 9	30.64	— 1
18	58.82	—13	22.71	+ 6	0.41	— 3	15.64	+ 2	12.57	—12	30.26	+ 2
19	60.51	— 1	22.55	+ 8	0.47	— 2	15.29	+ 5	12.70	—12	29.88	+ 5
20	62.20	+12	22.39	+ 8	0.53	— 1	14.93	+ 8	12.83	— 9	29.51	+ 7
21	63.90	+25	22.23	+ 7	0.60	0	14.57	+ 9	12.98	— 4	29.13	+ 8
22	65.61	+33	22.08	+ 5	0.67	+ 2	14.22	+ 8	13.13	+ 1	28.76	+ 8
23	67.32	+37	21.94	+ 3	0.74	+ 3	13.86	+ 7	13.29	+ 6	28.38	+ 7
24	69.04	+35	21.80	0	0.82	+ 3	13.51	+ 5	13.46	+ 9	28.01	+ 5
25	70.77	+29	21.66	— 3	0.90	+ 3	13.16	+ 2	13.63	+12	27.64	+ 3
26	72.51	+18	21.53	— 5	0.98	+ 3	12.82	— 1	13.82	+12	27.27	0
27	74.25	+ 4	21.41	— 7	1.06	+ 2	12.47	— 4	14.01	+11	26.90	— 3
28	76.00	—12	21.29	— 7	1.14	+ 1	12.13	— 7	14.21	+ 7	26.54	— 6
29	77.75	—27	21.17	— 6	1.22	— 1	11.79	— 8	14.42	+ 2	26.17	— 8
30	79.51	—39	21.06	— 5	1.31	— 3	11.45	— 9	14.63	— 3	25.80	— 9
31	81.28	—46	20.95	— 2	1.40	— 4	11.11	— 8	14.86	— 9	25.44	— 8
April 1	83.05	—46	20.85	+ 1	1.49	— 5	10.77	— 6	15.09	—13	25.08	— 7
2	84.82	—38	20.75	+ 4	1.58	— 5	10.44	— 2	15.33	—15	24.72	— 3
3	86.59	—23	20.66	+ 6	1.68	— 4	10.11	+ 1	15.58	—14	24.37	0
4	88.37	— 5	20.57	+ 6	1.77	— 2	9.79	+ 4	15.84	— 9	24.01	+ 3
5	90.15	+13	20.48	+ 5	1.87	0	9.46	+ 5	16.11	— 3	23.66	+ 5
6	91.93	+26	20.40	+ 2	1.97	+ 2	9.14	+ 5	16.38	+ 5	23.31	+ 5
7	93.72	+31	20.33	— 2	2.07	+ 4	8.82	+ 3	16.66	+11	22.96	+ 4
8	95.51	+28	20.26	— 5	2.18	+ 4	8.50	0	16.95	+14	22.62	+ 1
9	97.30	+16	20.19	— 7	2.28	+ 3	8.19	— 3	17.25	+14	22.27	— 2
10	99.09	+ 2	20.13	— 7	2.39	+ 2	7.88	— 5	17.56	+11	21.93	— 4
11	100.88	—13	20.08	— 6	2.50	0	7.57	— 6	17.87	+ 4	21.59	— 6
12	102.67	—22	20.03	— 3	2.61	— 1	7.27	— 5	18.19	— 2	21.26	— 5
13	104.46	—25	19.99	+ 1	2.72	— 3	6.97	— 2	18.52	— 8	20.93	— 3
14	106.25	—19	19.95	+ 5	2.83	— 3	6.67	+ 1	18.85	—12	20.61	0
15	108.04	— 8	19.91	+ 7	2.95	— 3	6.38	+ 4	19.20	—12	20.28	+ 3
16	109.83	+ 6	19.88	+ 8	3.06	— 2	6.09	+ 7	19.55	—10	19.96	+ 6
17	111.61	+20	19.86	+ 8	3.18	0	5.80	+ 9	19.90	— 6	19.64	+ 8
18	113.40	+31	19.84	+ 6	3.30	+ 1	5.52	+ 9	20.27	— 1	19.32	+ 9
19	115.18	+37	19.82	+ 4	3.43	+ 2	5.24	+ 8	20.64	+ 4	19.01	+ 8
20	116.96	+38	19.81	+ 1	3.55	+ 3	4.96	+ 6	21.02	+ 8	18.70	+ 6
21	118.74	+33	19.81	— 2	3.68	+ 4	4.69	+ 3	21.40	+11	18.39	+ 4
sec δ, tg δ	89° 12′ 20″	72.123	—72.116		81° 47′ 10″	6.999	—6.928		87° 54′ 20″	27.362	—27.344	
	30	72.377	—72.369		20	7.002	—6.930		30	27.398	—27.380	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m–5^m				ι Octantis 6^m–5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	1^h 41^m	in ^{s} 0.01	−85° 9′	in $''$ 0.01	9^h 8^m	in ^{s} 0.01	−85° 21′	in $''$ 0.01	12^h 46^m	in ^{s} 0.01	−84° 42′	in $''$ 0.01
April 21	$\overset{s}{21.42}$	+3	$\overset{''}{46.20}$	+6	$\overset{s}{24.51}$	−5	$\overset{''}{40.62}$	−2	$\overset{s}{58.58}$	−1	$\overset{''}{12.85}$	−7
22	21.42	+4	45.83	+4	24.24	−5	40.76	+1	58.53	−3	13.20	−4
23	21.42	+5	45.46	+2	23.96	−4	40.90	+4	58.48	−4	13.55	−2
24	21.43	+5	45.10	−1	23.69	−3	41.03	+6	58.42	−5	13.90	+1
25	21.44	+4	44.73	−4	23.41	−1	41.15	+7	58.36	−5	14.24	+4
26	21.46	+3	44.35	−7	23.14	+1	41.27	+8	58.30	−4	14.59	+7
27	21.48	0	43.98	−9	22.86	+3	41.39	+7	58.24	−3	14.93	+9
28	21.51	−2	43.61	−9	22.58	+5	41.50	+4	58.17	0	15.27	+9
29	21.54	−4	43.24	−8	22.30	+6	41.60	+1	58.10	+2	15.60	+8
30	21.57	−5	42.88	−5	22.02	+6	41.70	−2	58.02	+4	15.94	+5
Mai 1	21.61	−5	42.51	−1	21.74	+5	41.79	−4	57.94	+5	16.27	+2
2	21.65	−3	42.15	+2	21.46	+2	41.88	−6	57.86	+5	16.60	−2
3	21.69	−1	41.79	+5	21.18	0	41.96	−5	57.78	+3	16.92	−5
4	21.74	+2	41.43	+7	20.91	−3	42.04	−4	57.69	+1	17.24	−6
5	21.79	+4	41.07	+6	20.63	−5	42.11	0	57.60	−2	17.56	−6
6	21.85	+6	40.72	+4	20.35	−5	42.18	+3	57.50	−5	17.88	−4
7	21.91	+6	40.36	+1	20.07	−4	42.24	+6	57.41	−6	18.19	−1
8	21.98	+4	40.00	−2	19.79	−2	42.30	+7	57.30	−5	18.51	+2
9	22.05	+2	39.65	−5	19.51	0	42.35	+6	57.20	−4	18.81	+5
10	22.12	−1	39.30	−6	19.23	+2	42.40	+4	57.09	−1	19.12	+5
11	22.20	−3	38.95	−5	18.95	+4	42.44	+1	56.98	+2	19.42	+5
12	22.28	−5	38.61	−3	18.67	+4	42.47	−3	56.87	+4	19.72	+3
13	22.37	−6	38.27	0	18.40	+4	42.50	−6	56.75	+6	20.01	0
14	22.46	−5	37.93	+3	18.12	+2	42.53	−8	56.63	+6	20.30	−3
15	22.55	−4	37.59	+5	17.84	0	42.54	−9	56.51	+6	20.59	−6
16	22.64	−2	37.25	+7	17.56	−2	42.56	−8	56.39	+4	20.87	−7
17	22.74	0	36.91	+7	17.29	−3	42.57	−6	56.26	+2	21.15	−8
18	22.84	+2	36.58	+7	17.01	−4	42.57	−3	56.14	0	21.43	−7
19	22.95	+4	36.25	+5	16.74	−5	42.57	0	56.00	−2	21.70	−5
20	23.06	+5	35.92	+3	16.46	−5	42.56	+3	55.87	−4	21.97	−3
21	23.18	+5	35.60	0	16.19	−4	42.55	+5	55.73	−5	22.23	0
22	23.29	+5	35.28	−3	15.91	−2	42.53	+7	55.59	−5	22.49	+3
23	23.42	+3	34.96	−6	15.64	0	42.50	+8	55.45	−5	22.75	+6
24	23.54	+1	34.65	−8	15.37	+2	42.47	+7	55.31	−3	23.00	+8
25	23.67	−1	34.33	−9	15.10	+4	42.44	+5	55.16	−1	23.25	+9
26	23.80	−3	34.02	−8	14.83	+6	42.40	+3	55.01	+1	23.49	+8
27	23.94	−5	33.72	−6	14.56	+6	42.35	−1	54.86	+3	23.73	+6
28	24.08	−5	33.41	−2	14.29	+5	42.30	−4	54.70	+5	23.96	+3

sec δ, tg δ		sec δ	tg δ		sec δ	tg δ		sec δ	tg δ
	85° 9′ 30″	11.848	−11.806	85° 21′ 40″	12.365	−12.324	84° 42′ 10″	10.832	−10.785
	40	11.855	−11.813	50	12.372	−12.332	20	10.837	−10.791

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m–7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 49^m$	in ^{s} 0.01	−87° 50′	in ″ 0.01	$16^h 31^m$	in ^{s} 0.01	−86° 13′	in ″ 0.01	$18^h 9^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
April 21	16.17	+ 2	1.52	− 7	56.33	+ 4	19.98	− 6	38.28	+10	23.77	− 4
22	16.38	− 3	1.86	− 6	56.59	+ 1	20.23	− 6	38.84	+ 5	23.90	− 6
23	16.58	− 8	2.21	− 4	56.86	− 2	20.50	− 6	39.40	0	24.04	− 6
24	16.78	−12	2.55	− 2	57.11	− 6	20.76	− 5	39.95	− 6	24.18	− 6
25	16.96	−14	2.90	+ 1	57.36	− 8	21.03	− 2	40.50	−11	24.32	− 5
26	17.13	−14	3.25	+ 4	57.61	− 9	21.30	+ 1	41.04	−14	24.47	− 3
27	17.30	−12	3.60	+ 7	57.86	− 9	21.57	+ 4	41.58	−16	24.62	0
28	17.45	− 7	3.94	+ 8	58.09	− 8	21.84	+ 6	42.12	−15	24.78	+ 3
29	17.60	− 1	4.29	+ 9	58.33	− 4	22.12	+ 8	42.65	−11	24.94	+ 6
30	17.74	+ 5	4.64	+ 7	58.56	− 1	22.40	+ 8	43.18	− 6	25.11	+ 7
Mai 1	17.87	+ 9	4.98	+ 5	58.79	+ 3	22.68	+ 6	43.70	0	25.28	+ 7
2	17.99	+11	5.33	+ 1	59.01	+ 6	22.97	+ 3	44.22	+ 6	25.45	+ 5
3	18.11	+ 9	5.68	− 3	59.23	+ 6	23.25	− 1	44.73	+10	25.63	+ 1
4	18.21	+ 5	6.03	− 5	59.44	+ 5	23.54	− 4	45.23	+10	25.81	− 2
5	18.31	− 1	6.38	− 7	59.65	+ 3	23.83	− 7	45.73	+ 8	26.00	− 6
6	18.40	− 7	6.73	− 6	59.85	− 1	24.12	− 8	46.23	+ 3	26.18	− 7
7	18.47	−12	7.08	− 4	60.05	− 4	24.42	− 6	46.72	− 3	26.38	− 8
8	18.54	−13	7.43	− 1	60.24	− 7	24.71	− 4	47.20	− 7	26.57	− 6
9	18.60	−11	7.78	+ 2	60.43	− 7	25.01	0	47.68	−10	26.77	− 3
10	18.65	− 6	8.13	+ 5	60.61	− 6	25.31	+ 3	48.16	−10	26.97	+ 1
11	18.69	0	8.48	+ 6	60.79	− 2	25.61	+ 5	48.63	− 7	27.18	+ 4
12	18.72	+ 7	8.82	+ 5	60.96	+ 2	25.92	+ 6	49.09	− 2	27.39	+ 7
13	18.74	+12	9.17	+ 3	61.13	+ 5	26.22	+ 6	49.54	+ 4	27.60	+ 7
14	18.75	+16	9.52	+ 1	61.29	+ 8	26.52	+ 4	49.98	+ 9	27.82	+ 7
15	18.75	+16	9.86	− 2	61.45	+10	26.83	+ 1	50.42	+13	28.04	+ 5
16	18.75	+14	10.20	− 5	61.60	+10	27.14	− 1	50.86	+14	28.27	+ 2
17	18.73	+10	10.54	− 6	61.75	+ 8	27.45	− 4	51.28	+14	28.49	− 1
18	18.71	+ 4	10.88	− 7	61.89	+ 6	27.76	− 6	51.70	+11	28.73	− 3
19	18.67	− 1	11.22	− 6	62.03	+ 2	28.07	− 6	52.11	+ 7	28.96	− 5
20	18.63	− 6	11.56	− 5	62.16	− 1	28.38	− 6	52.52	+ 2	29.20	− 6
21	18.58	−11	11.90	− 3	62.29	− 5	28.69	− 5	52.92	− 3	29.44	− 7
22	18.52	−13	12.23	0	62.41	− 7	29.01	− 3	53.31	− 9	29.68	− 6
23	18.45	−14	12.57	+ 3	62.52	− 9	29.32	− 1	53.70	−13	29.93	− 4
24	18.38	−12	12.90	+ 5	62.63	−10	29.64	+ 2	54.07	−15	30.18	− 1
25	18.29	− 9	13.23	+ 8	62.74	− 8	29.96	+ 5	54.44	−15	30.43	+ 2
26	18.19	− 3	13.56	+ 9	62.84	− 6	30.27	+ 7	54.81	−13	30.68	+ 5
27	18.09	+ 3	13.88	+ 8	62.93	− 2	30.59	+ 8	55.16	− 8	30.94	+ 7
28	17.97	+ 8	14.21	+ 6	63.02	+ 2	30.91	+ 7	55.51	− 1	31.19	+ 7
sec δ, tg δ	87° 50′ 0″	26.451	−26.432		86° 13′ 20″	15.178	−15.145		87° 39′ 20″	24.446	−24.425	
	10	26.484	−26.466		30	15.189	−15.156		30	24.475	−24.454	

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	19^h 35^m	in ^{s} 0.01	−89° 12′	in $''$ 0.01	22^h 38^m	in ^{s} 0.01	−81° 46′	in $''$ 0.01	23^h 16^m	in ^{s} 0.01	−87° 54′	in $''$ 0.01
April 21	58.74	+33	19.81	−2	3.68	+4	64.69	+3	21.40	+11	18.39	+4
22	60.51	+23	19.81	−4	3.80	+3	64.42	0	21.79	+12	18.09	+1
23	62.28	+11	19.81	−6	3.93	+3	64.16	−3	22.19	+11	17.79	−2
24	64.05	−4	19.82	−7	4.06	+1	63.89	−6	22.60	+9	17.49	−5
25	65.81	−19	19.83	−7	4.19	0	63.64	−8	23.01	+5	17.20	−7
26	67.56	−33	19.85	−5	4.32	−2	63.38	−8	23.42	−1	16.91	−9
27	69.31	−42	19.88	−3	4.46	−3	63.13	−8	23.85	−7	16.63	−8
28	71.05	−45	19.91	0	4.59	−4	62.88	−6	24.28	−12	16.34	−7
29	72.79	−40	19.94	+3	4.72	−5	62.64	−3	24.72	−15	16.07	−4
30	74.52	−28	19.98	+6	4.86	−4	62.40	0	25.16	−15	15.79	−1
Mai 1	76.25	−10	20.02	+7	5.00	−3	62.17	+3	25.61	−12	15.52	+2
2	77.96	+8	20.07	+6	5.14	0	61.94	+5	26.06	−6	15.25	+5
3	79.67	+23	20.12	+3	5.28	+2	61.71	+6	26.52	+2	14.99	+6
4	81.38	+31	20.18	0	5.42	+3	61.49	+4	26.99	+8	14.73	+5
5	83.07	+30	20.24	−4	5.57	+4	61.28	+1	27.46	+13	14.48	+3
6	84.76	+21	20.30	−6	5.71	+4	61.06	−2	27.93	+14	14.23	−1
7	86.43	+6	20.37	−8	5.86	+3	60.86	−5	28.41	+12	13.99	−3
8	88.10	−10	20.45	−7	6.00	+1	60.65	−6	28.90	+7	13.75	−6
9	89.75	−22	20.53	−4	6.15	−1	60.45	−6	29.39	0	13.51	−6
10	91.40	−28	20.62	−1	6.30	−3	60.26	−4	29.88	−6	13.28	−5
11	93.04	−25	20.71	+3	6.45	−3	60.07	−1	30.38	−11	13.05	−2
12	94.66	−16	20.81	+6	6.60	−3	59.88	+2	30.89	−13	12.83	+1
13	96.28	−2	20.91	+8	6.75	−2	59.70	+5	31.40	−12	12.62	+5
14	97.88	+13	21.02	+8	6.90	−1	59.53	+8	31.91	−8	12.40	+7
15	99.47	+26	21.13	+7	7.05	+1	59.36	+9	32.43	−3	12.20	+8
16	101.05	+35	21.25	+5	7.20	+2	59.19	+8	32.95	+2	11.99	+8
17	102.61	+38	21.37	+2	7.36	+3	59.03	+7	33.48	+7	11.79	+7
18	104.17	+35	21.49	−1	7.52	+4	58.88	+4	34.01	+10	11.60	+5
19	105.71	+28	21.62	−3	7.67	+3	58.73	+1	34.55	+12	11.41	+2
20	107.24	+16	21.75	−5	7.83	+3	58.58	−2	35.09	+12	11.22	−1
21	108.75	+2	21.89	−7	7.99	+2	58.44	−5	35.64	+10	11.04	−4
22	110.25	−13	22.03	−7	8.15	0	58.31	−7	36.18	+7	10.87	−6
23	111.74	−27	22.17	−6	8.31	−1	58.18	−8	36.74	+2	10.70	−8
24	113.21	−38	22.32	−4	8.47	−3	58.05	−8	37.29	−4	10.53	−8
25	114.67	−44	22.47	−1	8.63	−4	57.93	−7	37.85	−10	10.37	−7
26	116.11	−41	22.63	+2	8.79	−5	57.82	−4	38.41	−13	10.22	−5
27	117.53	−32	22.79	+5	8.95	−4	57.71	−1	38.97	−15	10.07	−2
28	118.94	−16	22.96	+7	9.11	−3	57.60	+3	39.53	−13	9.92	+2
sec δ, tg δ	89° 12′ 20″	72.123	−72.116		81° 46′ 60″	6.997	−6.925		87° 54′ 10″	27.326	−27.308	
	30	72.377	−72.369		70	6.999	−6.928		20	27.362	−27.344	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$ s	in s 0.01	−85° 9′ ″	in ″ 0.01	$9^h 8^m$ s	in s 0.01	−85° 21′ ″	in ″ 0.01	$12^h 46^m$ s	in s 0.01	−84° 42′ ″	in ″ 0.01
Mai 28	24.08	−5	33.41	−2	14.29	+5	42.30	−4	54.70	+5	23.96	+3
29	24.22	−4	33.11	+1	14.03	+3	42.25	−6	54.54	+5	24.19	−1
30	24.36	−2	32.82	+5	13.76	+1	42.19	−6	54.38	+4	24.42	−4
31	24.51	0	32.52	+7	13.50	−2	42.12	−5	54.22	+2	24.64	−6
Juni 1	24.66	+3	32.23	+7	13.24	−4	42.05	−2	54.05	−1	24.86	−6
2	24.82	+5	31.94	+5	12.98	−5	41.97	+1	53.89	−3	25.07	−5
3	24.98	+6	31.66	+2	12.72	−5	41.89	+4	53.72	−5	25.28	−2
4	25.14	+5	31.38	−1	12.47	−4	41.80	+6	53.55	−6	25.49	+1
5	25.30	+3	31.11	−4	12.21	−1	41.71	+7	53.38	−5	25.69	+4
6	25.47	0	30.84	−6	11.96	+1	41.61	+5	53.20	−3	25.89	+6
7	25.64	−2	30.58	−6	11.71	+3	41.51	+2	53.03	0	26.08	+6
8	25.82	−5	30.32	−4	11.47	+4	41.40	−1	52.85	+3	26.27	+4
9	26.00	−6	30.06	−1	11.22	+4	41.29	−5	52.67	+5	26.45	+1
10	26.18	−6	29.81	+2	10.97	+3	41.17	−7	52.49	+6	26.62	−2
11	26.36	−4	29.56	+4	10.73	+1	41.05	−8	52.31	+6	26.79	−5
12	26.55	−3	29.32	+7	10.49	−1	40.92	−8	52.12	+5	26.96	−7
13	26.74	−1	29.08	+7	10.26	−3	40.79	−6	51.93	+3	27.12	−8
14	26.93	+1	28.84	+7	10.02	−4	40.65	−4	51.74	+1	27.27	−7
15	27.12	+3	28.61	+6	9.79	−5	40.51	−1	51.55	−2	27.42	−6
16	27.32	+4	28.38	+4	9.56	−5	40.36	+2	51.36	−3	27.57	−4
17	27.52	+5	28.16	+1	9.33	−4	40.21	+4	51.17	−5	27.71	−1
18	27.72	+5	27.94	−2	9.11	−3	40.05	+6	50.97	−5	27.84	+2
19	27.93	+4	27.73	−5	8.89	−1	39.89	+8	50.77	−5	27.97	+5
20	28.13	+2	27.52	−8	8.67	+2	39.72	+8	50.57	−4	28.09	+7
21	28.35	0	27.31	−9	8.45	+4	39.55	+6	50.37	−2	28.21	+9
22	28.56	−2	27.11	−9	8.24	+5	39.38	+4	50.17	0	28.32	+9
23	28.77	−4	26.92	−7	8.03	+6	39.20	+1	49.97	+2	28.43	+7
24	28.99	−5	26.73	−4	7.82	+6	39.01	−2	49.76	+4	28.53	+4
25	29.21	−5	26.54	0	7.62	+4	38.83	−5	49.56	+5	28.63	+1
26	29.42	−3	26.36	+4	7.41	+2	38.63	−6	49.35	+5	28.72	−3
27	29.65	−1	26.19	+6	7.21	−1	38.44	−6	49.15	+3	28.80	−6
28	29.87	+2	26.02	+7	7.01	−4	38.24	−4	48.94	+1	28.88	−7
29	30.10	+4	25.86	+7	6.82	−5	38.03	−1	48.73	−3	28.96	−6
30	30.32	+5	25.70	+4	6.63	−5	37.82	+3	48.52	−4	29.03	−4
Juli 1	30.55	+5	25.55	+1	6.44	−4	37.60	+5	48.31	−5	29.09	−1
2	30.78	+4	25.40	−2	6.26	−2	37.39	+7	48.10	−5	29.15	+2
3	31.02	+2	25.26	−5	6.08	0	37.16	+6	47.89	−3	29.20	+5
4	31.25	−1	25.12	−6	5.90	+2	36.94	+4	47.67	−1	29.25	+5
sec δ, tg δ	85° 9′ 20″	11.841	−11.799		85° 21′ 40″	12.365	−12.324		84° 42′ 20″	10.837	−10.791	
	30	11.848	−11.806		50	12.372	−12.332		30	10.843	−10.797	

Tag	Octantis 20 G. 7ᵐ				Octantis 26 G. 6ᵐ–7ᵐ				χ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h\,49^m$ s	in s 0.01	−87° 50′ ″	in ″ 0.01	$16^h\,32^m$ s	in s 0.01	−86° 13′ ″	in ″ 0.01	$18^h\,9^m$ s	in s 0.01	−87° 39′ ″	in ″ 0.01
Mai 28	17.97	+ 8	14.21	+ 6	3.02	+ 2	30.91	+ 7	55.51	− 1	31.19	+ 7
29	17.85	+11	14.53	+ 2	3.11	+ 5	31.22	+ 5	55.85	+ 5	31.46	+ 6
30	17.72	+11	14.85	− 1	3.19	+ 7	31.54	+ 1	56.18	+ 9	31.72	+ 3
31	17.58	+ 8	15.17	− 5	3.26	+ 7	31.85	− 3	56.50	+11	31.99	0
Juni 1	17.43	+ 2	15.48	− 7	3.33	+ 4	32.17	− 6	56.82	+10	32.26	− 4
2	17.27	− 4	15.80	− 7	3.39	+ 1	32.48	− 7	57.13	+ 6	32.53	− 7
3	17.10	−10	16.11	− 6	3.44	− 2	32.80	− 7	57.42	0	32.81	− 8
4	16.92	−13	16.41	− 3	3.49	− 6	33.12	− 5	57.71	− 5	33.08	− 7
5	16.74	−12	16.72	+ 1	3.54	− 7	33.43	− 2	58.00	− 9	33.36	− 4
6	16.55	− 9	17.02	+ 4	3.58	− 7	33.75	+ 2	58.27	−10	33.64	0
7	16.35	− 3	17.32	+ 6	3.61	− 4	34.07	+ 5	58.53	− 9	33.92	+ 3
8	16.14	+ 4	17.62	+ 6	3.64	0	34.39	+ 6	58.79	− 5	34.20	+ 6
9	15.92	+10	17.91	+ 5	3.67	+ 3	34.71	+ 7	59.04	+ 1	34.49	+ 7
10	15.69	+14	18.20	+ 2	3.69	+ 7	35.03	+ 5	59.28	+ 7	34.78	+ 7
11	15.46	+16	18.49	− 1	3.70	+ 9	35.34	+ 3	59.51	+11	35.07	+ 6
12	15.22	+14	18.78	− 4	3.71	+10	35.66	0	59.73	+14	35.36	+ 3
13	14.96	+11	19.06	− 6	3.71	+ 9	35.97	− 3	59.94	+14	35.65	0
14	14.70	+ 6	19.34	− 7	3.71	+ 6	36.28	− 5	60.15	+12	35.95	− 2
15	14.44	0	19.61	− 7	3.70	+ 3	36.60	− 6	60.35	+ 9	36.24	− 5
16	14.16	− 5	19.89	− 6	3.68	0	36.91	− 6	60.53	+ 4	36.54	− 6
17	13.87	− 9	20.15	− 4	3.66	− 3	37.21	− 6	60.71	− 2	36.83	− 6
18	13.58	−13	20.42	− 1	3.63	− 6	37.52	− 4	60.89	− 7	37.13	− 6
19	13.28	−15	20.68	+ 2	3.60	− 9	37.83	− 2	61.05	−12	37.43	− 5
20	12.97	−14	20.94	+ 5	3.56	−10	38.14	+ 1	61.20	−15	37.73	− 2
21	12.66	−11	21.19	+ 7	3.51	− 9	38.44	+ 4	61.34	−16	38.04	+ 1
22	12.34	− 6	21.44	+ 8	3.46	− 7	38.74	+ 7	61.48	−14	38.34	+ 4
23	12.01	0	21.69	+ 8	3.41	− 4	39.04	+ 8	61.60	−10	38.64	+ 6
24	11.67	+ 6	21.93	+ 7	3.35	0	39.34	+ 8	61.72	− 4	38.95	+ 7
25	11.33	+11	22.17	+ 4	3.28	+ 4	39.64	+ 6	61.83	+ 2	39.25	+ 7
26	10.98	+12	22.41	0	3.21	+ 7	39.94	+ 3	61.92	+ 8	39.55	+ 5
27	10.62	+10	22.64	− 4	3.14	+ 7	40.23	− 1	62.01	+11	39.86	+ 1
28	10.25	+ 6	22.87	− 6	3.06	+ 6	40.52	− 5	62.09	+12	40.16	− 2
29	9.88	0	23.10	− 8	2.97	+ 3	40.81	− 7	62.16	+ 9	40.47	− 6
30	9.50	− 6	23.32	− 7	2.88	0	41.10	− 8	62.22	+ 4	40.78	− 7
Juli 1	9.11	−11	23.53	− 4	2.78	− 4	41.39	− 6	62.27	− 2	41.08	− 7
2	8.72	−13	23.74	− 1	2.67	− 6	41.67	− 4	62.31	− 7	41.39	− 6
3	8.32	−10	23.94	+ 2	2.56	− 7	41.95	0	62.34	−10	41.70	− 2
4	7.91	− 6	24.14	+ 5	2.45	− 5	42.23	+ 3	62.36	− 9	42.00	+ 2

sec δ, tg δ	87° 50′ 10″	26.484	−26.466	86° 13′ 30″	15.189	−15.156	87° 39′ 30″	24.475	−24.454
	20	26.518	−26.500	40	15.200	−15.167	40	24.504	−24.483

Tag	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$19^h 36^m$	in ^{s} 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in ^{s} 0.01	−81° 46′	in ″ 0.01	$23^h 16^m$	in ^{s} 0.01	−87° 54′	in ″ 0.01
Mai 28	58.94	−16	22.96	+7	9.11	−3	57.60	+3	39.53	−13	9.92	+2
29	60.33	+4	23.13	+6	9.27	−1	57.50	+5	40.10	−8	9.78	+5
30	61.70	+20	23.31	+5	9.43	+1	57.41	+6	40.67	−1	9.65	+6
31	63.05	+31	23.49	+2	9.59	+3	57.32	+5	41.24	+6	9.52	+6
Juni 1	64.39	+34	23.67	−2	9.75	+4	57.24	+3	41.82	+12	9.40	+4
2	65.71	+28	23.86	−5	9.91	+4	57.16	0	42.39	+15	9.28	+1
3	67.01	+14	24.05	−7	10.07	+3	57.09	−3	42.97	+14	9.17	−2
4	68.29	−2	24.25	−7	10.23	+2	57.02	−6	43.55	+10	9.06	−5
5	69.56	−17	24.45	−6	10.39	0	56.96	−6	44.13	+3	8.96	−6
6	70.81	−27	24.65	−2	10.55	−2	56.90	−5	44.72	−4	8.86	−6
7	72.03	−29	24.86	+1	10.71	−3	56.85	−3	45.30	−9	8.77	−4
8	73.24	−22	25.07	+5	10.87	−3	56.80	0	45.89	−13	8.68	−1
9	74.43	−10	25.28	+7	11.04	−3	56.76	+4	46.48	−13	8.60	+3
10	75.60	+6	25.50	+8	11.20	−2	56.73	+7	47.07	−10	8.52	+6
11	76.75	+20	25.72	+7	11.36	0	56.70	+8	47.66	−5	8.45	+8
12	77.87	+31	25.94	+6	11.52	+2	56.68	+8	48.25	0	8.39	+8
13	78.98	+37	26.17	+3	11.68	+3	56.66	+7	48.84	+5	8.33	+8
14	80.06	+36	26.40	0	11.84	+3	56.65	+5	49.43	+9	8.28	+6
15	81.12	+31	26.64	−3	12.00	+4	56.64	+2	50.02	+12	8.24	+3
16	82.16	+20	26.88	−5	12.16	+3	56.64	−1	50.61	+12	8.20	0
17	83.17	+7	27.12	−6	12.32	+2	56.64	−4	51.20	+11	8.16	−3
18	84.17	−8	27.36	−7	12.48	+1	56.65	−6	51.79	+8	8.13	−6
19	85.14	−23	27.61	−7	12.64	0	56.66	−8	52.38	+4	8.11	−8
20	86.09	−36	27.86	−5	12.80	−2	56.68	−8	52.97	−2	8.09	−9
21	87.02	−43	28.12	−2	12.95	−4	56.71	−8	53.56	−8	8.08	−8
22	87.92	−44	28.37	+1	13.11	−4	56.74	−5	54.14	−12	8.07	−7
23	88.80	−37	28.63	+4	13.27	−5	56.78	−2	54.73	−15	8.07	−4
24	89.65	−23	28.89	+6	13.42	−4	56.82	+1	55.31	−14	8.07	0
25	90.48	−5	29.15	+7	13.57	−2	56.87	+4	55.90	−10	8.08	+3
26	91.29	+14	29.42	+6	13.72	0	56.92	+6	56.48	−4	8.10	+6
27	92.07	+29	29.69	+3	13.87	+2	56.98	+6	57.06	+3	8.12	+7
28	92.83	+36	29.96	0	14.02	+3	57.04	+5	57.64	+10	8.15	+6
29	93.56	+34	30.23	−4	14.17	+4	57.11	+2	58.22	+14	8.18	+3
30	94.27	+23	30.51	−6	14.32	+4	57.18	−1	58.80	+15	8.22	0
Juli 1	94.95	+8	30.79	−7	14.47	+3	57.26	−4	59.37	+12	8.27	−3
2	95.61	−9	31.07	−6	14.61	+1	57.35	−6	59.94	+6	8.32	−5
3	96.24	−22	31.35	−4	14.76	−1	57.44	−6	60.50	−1	8.37	−6
4	96.84	−28	31.64	0	14.90	−3	57.53	−4	61.07	−7	8.44	−5
sec δ, tg δ	89° 12′ 20″	72.123	−72.116		81° 46′ 50″	6.995	−6.923		87° 54′ 0″	27.290	−27.271	
	30	72.377	−72.369		60	6.997	−6.925		10	27.326	−27.308	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m—5^m				ι Octantis 6^m—5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	1^h 41^m s	in s 0.01	−85° 9′ ″	in ″ 0.01	9^h 8^m s	in s 0.01	−85° 21′ ″	in ″ 0.01	12^h 46^m s	in s 0.01	−84° 42′ ″	in ″ 0.01
Juli 4	31.25	−1	25.12	−6	5.90	+2	36.94	+4	47.67	−1	29.25	+5
5	31.49	−4	24.99	−5	5.73	+4	36.71	0	47.46	+2	29.29	+5
6	31.73	−5	24.86	−3	5.56	+5	36.48	−3	47.25	+4	29.32	+3
7	31.97	−6	24.74	+1	5.39	+4	36.24	−6	47.04	+6	29.35	−1
8	32.21	−5	24.62	+3	5.23	+2	36.00	−8	46.82	+6	29.37	−4
9	32.45	−3	24.51	+6	5.07	0	35.76	−8	46.61	+5	29.39	−6
10	32.69	−2	24.40	+7	4.91	−2	35.51	−7	46.40	+3	29.40	−7
11	32.94	+1	24.30	+7	4.76	−4	35.26	−5	46.18	+1	29.41	−7
12	33.18	+2	24.21	+6	4.61	−5	35.00	−2	45.97	−1	29.41	−6
13	33.43	+4	24.13	+4	4.47	−5	34.74	+1	45.76	−3	29.40	−5
14	33.67	+5	24.05	+2	4.33	−4	34.48	+4	45.54	−4	29.39	−2
15	33.92	+5	23.97	−1	4.20	−3	34.22	+6	45.33	−5	29.38	+1
16	34.17	+4	23.90	−4	4.07	−1	33.95	+7	45.12	−5	29.35	+4
17	34.42	+3	23.84	−7	3.94	+1	33.69	+8	44.91	−5	29.33	+7
18	34.67	+1	23.78	−9	3.82	+3	33.41	+7	44.69	−3	29.29	+9
19	34.92	−1	23.73	−9	3.70	+5	33.14	+5	44.48	−1	29.25	+9
20	35.17	−3	23.68	−8	3.59	+6	32.86	+2	44.27	+1	29.21	+8
21	35.42	−5	23.64	−6	3.48	+6	32.58	−1	44.06	+3	29.16	+6
22	35.67	−5	23.61	−2	3.37	+5	32.30	−4	43.85	+5	29.10	+3
23	35.92	−4	23.58	+2	3.27	+3	32.01	−6	43.64	+5	29.04	−1
24	36.18	−2	23.55	+5	3.17	0	31.72	−6	43.43	+4	28.97	−4
25	36.43	+1	23.54	+7	3.08	−2	31.43	−5	43.22	+2	28.90	−6
26	36.68	+3	23.52	+7	2.99	−5	31.14	−2	43.01	−1	28.82	−7
27	36.93	+5	23.52	+6	2.91	−6	30.85	+1	42.81	−4	28.74	−5
28	37.18	+5	23.52	+2	2.83	−5	30.56	+4	42.60	−5	28.65	−3
29	37.43	+4	23.53	0	2.75	−4	30.26	+6	42.39	−5	28.55	+1
30	37.68	+2	23.54	−3	2.68	−1	29.96	+6	42.19	−4	28.45	+3
31	37.94	0	23.56	−5	2.61	+1	29.65	+4	41.99	−2	28.34	+5
Aug. 1	38.19	−3	23.58	−5	2.55	+3	29.35	+1	41.78	+1	28.23	+5
2	38.43	−5	23.61	−3	2.49	+4	29.05	−2	41.58	+3	28.11	+3
3	38.68	−6	23.65	0	2.44	+4	28.74	−5	41.39	+5	27.99	0
4	38.93	−5	23.69	+2	2.39	+3	28.43	−8	41.19	+6	27.86	−3
5	39.17	−4	23.74	+5	2.35	+1	28.12	−8	40.99	+6	27.73	−5
6	39.42	−2	23.79	+7	2.31	−1	27.81	−8	40.80	+4	27.59	−7
7	39.66	0	23.85	+8	2.27	−3	27.50	−6	40.60	+2	27.45	−8
8	39.90	+2	23.92	+7	{ 2.24 2.21	−4 −5	27.19 26.88	−4 −1	40.41	0	27.30	−7
9	40.14	+3	23.99	+5	2.18	−5	26.56	+2	40.22	−2	27.15	−5
10	40.38	+5	24.06	+3	2.17	−4	26.25	+5	40.03	−4	26.99	−3
sec δ, tg δ	85° 9′ 20″	11.841	−11.799		85° 21′ 30″	12.357	−12.317		84° 42′ 20″	10.837	−10.791	
	30	11.848	−11.806		40	12.365	−12.324		30	10.843	−10.797	

Tag	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$	in 0.01 s	−87° 50′	in 0.01 ″	$16^h 31^m$	in 0.01 s	−86° 13′	in 0.01 ″	$18^h 9^m$	in 0.01 s	−87° 39′	in 0.01 ″
Juli 4	67.91	− 6	24.14	+ 5	62.45	− 5	42.23	+ 3	62.36	− 9	42.00	+ 2
5	67.50	+ 1	24.34	+ 6	62.33	− 2	42.50	+ 6	62.37	− 6	42.31	+ 5
6	67.09	+ 8	24.53	+ 5	62.20	+ 2	42.78	+ 7	62.37	− 1	42.62	+ 7
7	66.66	+12	24.72	+ 3	62.07	+ 5	43.05	+ 6	62.37	+ 4	42.92	+ 7
8	66.23	+15	24.90	0	61.94	+ 8	43.32	+ 4	62.35	+ 9	43.23	+ 6
9	65.80	+15	25.08	− 3	61.80	+ 9	43.58	+ 1	62.33	+13	43.54	+ 4
10	65.36	+12	25.25	− 5	61.66	+ 9	43.84	− 2	62.29	+14	43.84	+ 1
11	64.91	+ 8	25.42	− 6	61.51	+ 7	44.10	− 4	62.25	+13	44.14	− 1
12	64.46	+ 3	25.58	− 7	61.35	+ 5	44.35	− 6	62.19	+10	44.45	− 4
13	64.01	− 3	25.74	− 6	61.19	+ 1	44.61	− 6	62.13	+ 6	44.75	− 6
14	63.54	− 8	25.89	− 5	61.03	− 2	44.85	− 6	62.06	0	45.04	− 7
15	63.08	−12	26.04	− 2	60.86	− 6	45.10	− 5	61.98	− 5	45.34	− 6
16	62.61	−14	26.18	+ 1	60.68	− 8	45.34	− 2	61.89	−10	45.64	− 5
17	62.13	−15	26.32	+ 4	60.50	−10	45.58	0	61.79	−14	45.93	− 3
18	61.65	−13	26.45	+ 7	60.32	−10	45.81	+ 3	61.68	−16	46.23	0
19	61.16	− 9	26.58	+ 8	60.13	− 9	46.04	+ 6	61.56	−16	46.52	+ 3
20	60.67	− 3	26.70	+ 9	59.94	− 6	46.27	+ 8	61.43	−13	46.81	+ 5
21	60.18	+ 3	26.81	+ 8	59.74	− 2	46.49	+ 8	61.29	− 8	47.10	+ 7
22	59.68	+ 8	26.92	+ 6	59.54	+ 2	46.71	+ 7	61.15	− 1	47.39	+ 7
23	59.18	+11	27.03	+ 2	59.33	+ 5	46.92	+ 4	60.99	+ 5	47.67	+ 6
24	58.68	+11	27.13	− 2	59.12	+ 7	47.13	0	60.83	+10	47.96	+ 3
25	58.17	+ 8	27.22	− 5	58.91	+ 7	47.34	− 4	60.66	+12	48.24	− 1
26	57.66	+ 2	27.31	− 7	58.69	+ 5	47.54	− 7	60.47	+11	48.52	− 5
27	57.15	− 4	27.40	− 7	58.47	+ 1	47.74	− 8	60.28	+ 7	48.80	− 7
28	56.63	− 9	27.48	− 6	58.24	− 2	47.93	− 7	60.08	+ 1	49.08	− 8
29	56.11	−11	27.55	− 3	58.01	− 5	48.12	− 5	59.87	− 4	49.35	− 6
30	55.59	−11	27.62	+ 1	57.77	− 6	48.30	− 2	59.65	− 8	49.62	− 4
31	55.06	− 7	27.68	+ 3	57.54	− 5	48.48	+ 2	59.42	− 9	49.89	0
Aug. 1	54.54	− 1	27.73	+ 5	57.29	− 3	48.66	+ 5	59.19	− 7	50.15	+ 3
2	54.01	+ 6	27.78	+ 5	57.05	+ 1	48.83	+ 6	58.94	− 3	50.41	+ 6
3	53.48	+11	27.82	+ 4	56.80	+ 5	49.00	+ 6	58.69	+ 3	50.67	+ 7
4	52.95	+15	27.86	+ 1	56.55	+ 8	49.16	+ 4	58.43	+ 8	50.92	+ 7
5	52.41	+16	27.89	− 2	56.29	+ 9	49.32	+ 2	58.16	+12	51.18	+ 5
6	51.88	+14	27.92	− 4	56.03	+10	49.47	− 1	57.88	+14	51.43	+ 2
7	51.34	+10	27.94	− 6	55.77	+ 8	49.62	− 3	57.59	+14	51.68	0
8	50.80	+ 5	27.95	− 7	55.50	+ 6	49.77	− 5	57.30	+12	51.92	− 3
9	50.26	− 1	27.96	− 7	55.23	+ 3	49.91	− 6	57.00	+ 8	52.16	− 5
10	49.73	− 6	27.96	− 5	54.96	− 1	50.04	− 6	56.69	+ 3	52.40	− 6
sec δ, tg δ	87° 50′ 20″	26.518	−26.500		86° 13′ 40″	15.200	−15.167		87° 39′ 40″	24.504	−24.483	
	30	26.553	−26.534		50	15.211	−15.178		50	24.533	−24.513	

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	19h 37m	in s 0.01	−89° 12′	in ″ 0.01	22h 38m	in s 0.01	−81° 46′	in ″ 0.01	23h 17m	in s 0.01	−87° 54′	in ″ 0.01
Juli 4	36.84	−28	31.64	0	14.90	− 3	57.53	− 4	1.07	− 7	8.44	− 5
5	37.41	−25	31.93	+ 3	15.05	− 3	57.63	− 1	1.63	−11	8.50	− 2
6	37.96	−15	32.22	+ 6	15.19	− 3	57.74	+ 3	2.19	−13	8.57	+ 1
7	38.48	− 1	32.51	+ 8	15.33	− 2	57.85	+ 6	2.75	−11	8.65	+ 5
8	38.98	+14	32.80	+ 8	15.47	− 1	57.96	+ 8	3.30	− 7	8.73	+ 7
9	39.45	+27	33.09	+ 6	15.61	+ 1	58.08	+ 8	3.85	− 2	8.82	+ 8
10	39.89	+35	33.38	+ 4	15.75	+ 2	58.21	+ 8	4.39	+ 3	8.91	+ 8
11	40.30	+37	33.68	+ 1	15.89	+ 3	58.34	+ 6	4.93	+ 8	9.01	+ 6
12	40.69	+33	33.97	− 2	16.02	+ 4	58.47	+ 3	5.47	+11	9.12	+ 4
13	41.05	+24	34.27	− 4	16.15	+ 3	58.61	0	6.00	+12	9.23	+ 1
14	41.39	+12	34.57	− 6	16.28	+ 3	58.76	− 3	6.53	+12	9.34	− 2
15	41.70	− 3	34.87	− 7	16.41	+ 1	58.91	− 6	7.05	+ 9	9.46	− 5
16	41.98	−19	35.18	− 7	16.54	0	59.06	− 8	7.57	+ 5	9.59	− 7
17	42.24	−33	35.48	− 6	16.66	− 2	59.22	− 9	8.08	0	9.72	− 9
18	42.46	−43	35.79	− 3	16.79	− 3	59.39	− 8	8.59	− 6	9.85	− 9
19	42.66	−47	36.09	− 1	16.91	− 4	59.56	− 7	9.10	−11	9.99	− 8
20	42.83	−44	36.39	+ 2	17.03	− 5	59.73	− 4	9.60	−14	10.14	− 5
21	42.97	−33	36.69	+ 5	17.15	− 4	59.91	− 1	10.09	−15	10.29	− 2
22	43.08	−15	37.00	+ 6	17.26	− 3	60.09	+ 3	10.58	−13	10.44	+ 2
23	43.16	+ 4	37.30	+ 6	17.38	− 1	60.28	+ 5	11.06	− 7	10.60	+ 4
24	43.22	+22	37.61	+ 4	17.49	+ 1	60.47	+ 6	11.53	0	10.77	+ 6
25	43.24	+34	37.92	+ 1	17.60	+ 3	60.67	+ 6	12.00	+ 7	10.94	+ 6
26	43.24	+36	38.22	− 2	17.71	+ 4	60.87	+ 3	12.47	+13	11.11	+ 4
27	43.21	+30	38.53	− 5	17.81	+ 4	61.07	0	12.92	+15	11.29	+ 2
28	43.15	+16	38.83	− 7	17.92	+ 3	61.28	− 3	13.37	+14	11.48	− 2
29	43.06	0	39.14	− 7	18.02	+ 2	61.49	− 5	13.82	+ 9	11.67	− 4
30	42.94	−15	39.45	− 5	18.12	0	61.71	− 6	14.26	+ 2	11.86	− 5
31	42.79	−23	39.75	− 1	18.22	− 2	61.93	− 4	14.69	− 4	12.06	− 5
Aug. 1	42.62	−24	40.06	+ 2	18.31	− 3	62.15	− 2	15.11	− 9	12.26	− 3
2	42.41	−18	40.36	+ 5	18.41	− 3	62.38	+ 2	15.52	−12	12.47	+ 1
3	42.18	− 5	40.66	+ 8	18.50	− 2	62.61	+ 5	15.93	−12	12.68	+ 4
4	41.92	+10	40.96	+ 8	18.59	− 1	62.85	+ 7	16.33	− 9	12.90	+ 7
5	41.63	+23	41.26	+ 7	18.68	0	63.08	+ 9	16.72	− 4	13.12	+ 8
6	41.32	+33	41.56	+ 5	18.76	+ 2	63.33	+ 8	17.10	+ 1	13.34	+ 8
7	40.97	+37	41.86	+ 2	18.85	+ 3	63.57	+ 7	17.48	+ 6	13.57	+ 7
8	40.60	+36	42.16	− 1	18.93	+ 3	63.82	+ 4	17.85	+10	13.80	+ 5
9	40.20	+29	42.46	− 3	19.01	+ 4	64.07	+ 1	18.21	+12	14.04	+ 2
10	39.78	+17	42.75	− 5	19.08	+ 3	64.33	− 1	18.57	+12	14.28	0
sec δ, tg δ	89° 12′ 30″ 40	72.377 72.631	−72.369 −72.624		81° 46′ 60″ 70	6.997 6.999	−6.925 −6.928		87° 54′ 10″ 20	27.326 27.362	−27.308 −27.344	

Tag	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ–5ᵐ				ι Octantis 6ᵐ–5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$	in s 0.01	−85° 9′	in ″ 0.01	$9^h 8^m$	in s 0.01	−85° 21′	in ″ 0.01	$12^h 46^m$	in s 0.01	−84° 42′	in ″ 0.01
Aug. 10	40.38	+5	24.06	+3	2.17	−4	26.25	+5	40.03	−4	26.99	−3
11	40.62	+5	24.15	0	2.15	−2	25.94	+7	39.85	−5	26.83	0
12	40.86	+5	24.24	−3	2.16	0	25.62	+8	39.67	−5	26.66	+3
13	41.10	+4	24.33	−6	2.16	+2	25.31	+8	39.49	−5	26.48	+6
14	41.33	+2	24.43	−8	2.16	+4	25.00	+6	39.31	−4	26.31	+8
15	41.56	0	24.54	−10	2.17	+6	24.68	+4	39.13	−2	26.12	+9
16	41.80	−2	24.65	−9	2.18	+6	24.37	+1	38.95	0	25.93	+9
17	42.03	−4	24.77	−7	2.20	+6	24.05	−2	38.78	+2	25.74	+8
18	42.26	−5	24.90	−4	2.22	+4	23.73	−4	38.61	+4	25.54	+5
19	42.48	−5	25.03	−1	2.25	+2	23.42	−5	38.44	+5	25.34	+1
20	42.71	−3	25.16	+3	2.28	−1	23.10	−5	38.28	+4	25.13	−2
21	42.93	0	25.30	+6	2.31	−4	22.79	−3	38.12	+2	24.92	−5
22	43.15	+2	25.45	+7	2.36	−5	22.48	0	37.96	0	24.71	−6
23	43.37	+5	25.60	+6	2.40	−5	22.16	+3	37.80	−3	24.49	−6
24	43.58	+5	25.75	+4	2.45	−4	21.85	+5	37.65	−5	24.27	−4
25	43.80	+5	25.91	+1	2.51	−2	21.55	+6	37.50	−5	24.04	−1
26	44.01	+3	26.08	−2	2.57	0	21.24	+5	37.35	−5	23.81	+2
27	44.22	+1	26.25	−4	2.64	+2	20.93	+2	37.20	−3	23.57	+4
28	44.43	−2	26.43	−5	2.71	+4	20.62	−1	37.06	0	23.33	+5
29	44.63	−4	26.61	−4	2.79	+4	20.32	−4	36.92	+3	23.09	+4
30	44.83	−6	26.79	−1	2.87	+3	20.02	−7	36.78	+5	22.84	+1
31	45.02	−6	26.98	+2	2.95	+2	19.72	−9	36.65	+6	22.59	−2
Sept. 1	45.22	−5	27.18	+5	3.04	−1	19.42	−9	36.52	+6	22.33	−5
2	45.41	−3	27.38	+7	3.13	−3	19.12	−7	36.40	+5	22.07	−7
3	45.60	−1	27.59	+8	3.23	−4	18.82	−5	36.27	+3	21.81	−8
4	45.79	+1	27.80	+8	3.33	−5	18.53	−2	36.16	+1	21.55	−8
5	45.97	+3	28.02	+6	3.44	−5	18.24	+1	36.04	−1	21.28	−7
6	46.15	+4	28.24	+4	3.55	−4	17.95	+4	35.93	−3	21.01	−5
7	46.32	+5	28.46	+2	3.67	−3	17.66	+6	35.82	−4	20.73	−2
8	46.50	+5	28.69	−2	3.79	−1	17.38	+7	35.72	−5	20.45	+1
9	46.67	+4	28.93	−5	3.92	+1	17.10	+8	35.62	−5	20.17	+4
10	46.84	+3	29.16	−7	4.05	+3	16.82	+7	35.52	−4	19.89	+7
11	47.00	0	29.41	−9	4.18	+5	16.55	+5	35.43	−3	19.61	+9
12	47.16	−1	29.65	−9	4.32	+6	16.27	+2	35.34	−1	19.32	+9
13	47.31	−3	29.90	−8	4.46	+6	16.00	−1	35.25	+2	19.03	+8
14	47.46	−5	30.16	−6	4.61	+5	15.74	−3	35.17	+3	18.74	+6
15	47.60	−5	30.42	−2	4.76	+3	15.47	−5	35.09	+5	18.44	+3
16	47.74	−4	30.68	+1	4.92	0	15.21	−5	35.01	+4	18.14	−1
sec δ, tg δ	85° 9′ 20″	11.841	−11.799		85° 21′ 20″	12.350	−12.309		84° 42′ 20″	10.837	−10.791	
	30	11.848	−11.806		30	12.357	−12.317		30	10.843	−10.797	

Tag	Octantis 20 G. 7ᵐ				Octantis 26 G. 6ᵐ–7ᵐ				χ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$ s	in s 0.01	−87° 50′ ″	in ″ 0.01	$16^h 31^m$ s	in s 0.01	−86° 13′ ″	in ″ 0.01	$18^h 9^m$ s	in s 0.01	−87° 39′ ″	in ″ 0.01
Aug. 10	49.73	− 6	27.96	− 5	54.96	− 1	50.04	− 6	56.69	+ 3	52.40	− 6
11	49.19	−10	27.96	− 3	54.69	− 4	50.17	− 5	56.37	− 3	52.63	− 6
12	48.65	−14	27.95	− 1	54.41	− 7	50.29	− 3	56.05	− 8	52.86	− 6
13	48.11	−15	27.94	+ 2	54.13	− 9	50.41	− 1	55.72	−13	53.08	− 4
14	47.57	−14	27.92	+ 5	53.85	−10	50.52	+ 2	55.38	−16	53.31	− 1
15	47.03	−11	27.89	+ 8	53.56	−10	50.63	+ 5	55.03	−17	53.52	+ 1
16	46.49	− 6	27.86	+ 9	53.27	− 7	50.73	+ 7	54.68	−15	53.74	+ 4
17	45.95	0	27.82	+ 9	52.98	− 4	50.83	+ 8	54.32	−11	53.95	+ 6
18	45.41	+ 5	27.78	+ 7	52.69	0	50.92	+ 8	53.95	− 5	54.16	+ 7
19	44.87	+ 9	27.73	+ 4	52.40	+ 3	51.01	+ 6	53.57	+ 1	54.36	+ 6
20	44.34	+10	27.68	0	52.10	+ 6	51.09	+ 2	53.19	+ 7	54.56	+ 4
21	43.80	+ 8	27.61	− 4	51.80	+ 6	51.16	− 2	52.80	+10	54.75	0
22	43.27	+ 4	27.55	− 6	51.50	+ 5	51.23	− 5	52.41	+11	54.94	− 3
23	42.74	− 2	27.47	− 7	51.20	+ 2	51.29	− 7	52.01	+ 8	55.13	− 6
24	42.21	− 8	27.39	− 6	50.89	− 1	51.35	− 8	51.60	+ 3	55.31	− 8
25	41.69	−11	27.31	− 4	50.59	− 4	51.40	− 6	51.19	− 2	55.49	− 7
26	41.16	−11	27.22	− 1	50.28	− 6	51.45	− 3	50.77	− 6	55.66	− 5
27	40.64	− 9	27.12	+ 2	49.97	− 6	51.49	0	50.35	− 8	55.83	− 2
28	40.12	− 3	27.02	+ 4	49.66	− 4	51.52	+ 4	49.92	− 7	55.99	+ 2
29	39.60	+ 4	26.91	+ 5	49.35	0	51.55	+ 6	49.48	− 4	56.15	+ 5
30	39.09	+10	26.79	+ 4	49.04	+ 4	51.57	+ 6	49.04	+ 1	56.30	+ 7
31	38.58	+15	26.67	+ 2	48.73	+ 7	51.59	+ 5	48.59	+ 7	56.44	+ 7
Sept. 1	38.07	+17	26.55	− 1	48.42	+ 9	51.60	+ 3	48.14	+11	56.58	+ 6
2	37.57	+16	26.42	− 4	48.10	+10	51.61	0	47.69	+15	56.72	+ 3
3	37.07	+13	26.29	− 6	47.79	+ 9	51.61	− 3	47.23	+15	56.85	+ 1
4	36.58	+ 8	26.15	− 7	47.48	+ 7	51.60	− 5	46.77	+14	56.97	− 2
5	36.09	+ 2	26.01	− 7	47.17	+ 4	51.59	− 6	46.30	+10	57.09	− 5
6	35.61	− 4	25.86	− 6	46.85	+ 1	51.57	− 7	45.83	+ 5	57.21	− 6
7	35.13	− 8	25.71	− 4	46.54	− 3	51.55	− 6	45.35	0	57.32	− 7
8	34.65	−12	25.55	− 2	46.23	− 6	51.52	− 4	44.87	− 5	57.42	− 6
9	34.18	−14	25.38	+ 1	45.91	− 8	51.49	− 2	44.38	−11	57.52	− 5
10	33.72	−14	25.21	+ 4	45.60	−10	51.44	+ 1	43.89	−14	57.62	− 3
11	33.26	−12	25.03	+ 7	45.29	−10	51.40	+ 4	43.40	−16	57.70	0
12	32.81	− 8	24.85	+ 9	44.98	− 8	51.34	+ 7	42.90	−16	57.78	+ 3
13	32.37	− 2	24.66	+ 9	44.67	− 6	51.28	+ 8	42.41	−13	57.86	+ 6
14	31.93	+ 3	24.47	+ 8	44.36	− 2	51.22	+ 8	41.91	− 8	57.93	+ 7
15	31.49	+ 8	24.27	+ 6	44.05	+ 1	51.15	+ 7	41.40	− 2	57.99	+ 7
16	31.06	+ 9	24.07	+ 2	43.75	+ 4	51.07	+ 4	40.90	+ 4	58.05	+ 5
sec δ, tg δ	87° 50′ 20″	26.518	−26.500		86° 13′ 50″	15.211	−15.178		87° 39′ 50″	24.533	−24.513	
	30	26.553	−26.534		60	15.222	−15.188		60	24.562	−24.542	

Tag	σ Octantis 6^m AR.	☾ Gl.	Dekl.	☾ Gl.	β Octantis $4^m.1$ AR.	☾ Gl.	Dekl.	☾ Gl.	τ Octantis 6^m AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$19^h 37^m$	in s 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in s 0.01	−81° 47′	in ″ 0.01	$23^h 17^m$	in s 0.01	−87° 54′	in ″ 0.01
Aug. 10	39.78	+17	42.75	−5	19.08	+3	4.33	−1	18.57	+12	14.28	0
11	39.32	+3	43.04	−7	19.15	+2	4.59	−5	18.91	+10	14.52	−4
12	38.84	−12	43.33	−7	19.22	+1	4.85	−7	19.25	+7	14.77	−6
13	38.33	−27	43.62	−6	19.29	−1	5.12	−8	19.57	+2	15.02	−8
14	37.79	−40	43.91	−4	19.35	−3	5.38	−9	19.89	−4	15.27	−9
15	37.23	−47	44.19	−2	19.41	−4	5.65	−8	20.20	−9	15.53	−9
16	36.64	−48	44.47	+1	19.47	−5	5.93	−6	20.50	−13	15.79	−7
17	36.03	−40	44.75	+4	19.53	−5	6.20	−3	20.79	−15	16.05	−4
18	35.39	−26	45.03	+6	19.58	−4	6.48	+1	21.07	−14	16.32	0
19	34.72	−7	45.30	+6	19.63	−2	6.76	+4	21.34	−10	16.59	+3
20	34.02	+11	45.57	+5	19.68	0	7.04	+5	21.61	−4	16.86	+5
21	33.30	+26	45.84	+3	19.73	+2	7.33	+5	21.86	+4	17.14	+6
22	32.55	+33	46.11	−1	19.77	+3	7.61	+4	22.10	+10	17.42	+5
23	31.78	+32	46.38	−4	19.81	+4	7.90	+1	22.34	+14	17.70	+2
24	30.98	+22	46.65	−7	19.85	+4	8.19	−2	22.56	+15	17.99	−1
25	30.16	+7	46.91	−7	19.89	+2	8.48	−4	22.78	+11	18.27	−3
26	29.31	−8	47.17	−6	19.92	0	8.78	−5	22.98	+6	18.56	−5
27	28.44	−19	47.42	−3	19.95	−1	9.07	−5	23.18	−1	18.85	−5
28	27.54	−23	47.67	+1	19.98	−2	9.37	−2	23.36	−8	19.15	−3
29	26.62	−19	47.92	+4	20.00	−3	9.67	+1	23.53	−11	19.45	0
30	25.67	−9	48.16	+7	20.02	−3	9.97	+4	23.70	−13	19.74	+3
31	24.70	+6	48.40	+8	20.04	−2	10.27	+7	23.85	−11	20.04	+6
Sept. 1	23.71	+21	48.63	+8	20.06	0	10.57	+9	23.99	−6	20.34	+8
2	22.69	+32	48.86	+6	20.07	+1	10.87	+9	24.12	−1	20.65	+9
3	21.65	+39	49.09	+4	20.08	+3	11.17	+8	24.24	+5	20.95	+8
4	20.59	+39	49.31	+1	20.09	+4	11.48	+6	24.35	+9	21.26	+7
5	19.51	+34	49.53	−2	20.09	+4	11.79	+3	24.45	+12	21.57	+4
6	18.41	+24	49.75	−5	20.09	+3	12.09	0	24.54	+12	21.88	+1
7	17.28	+10	49.96	−6	20.09	+2	12.40	−3	24.62	+11	22.19	−2
8	16.14	−5	50.17	−7	20.09	+1	12.70	−6	24.69	+9	22.50	−5
9	14.98	−20	50.37	−6	20.08	0	13.01	−8	24.74	+4	22.82	−7
10	13.79	−34	50.57	−5	20.07	−2	13.31	−9	24.78	−1	23.13	−9
11	12.59	−43	50.76	−3	20.05	−3	13.62	−8	24.82	−7	23.45	−9
12	11.37	−48	50.95	0	20.04	−4	13.92	−7	24.84	−12	23.76	−8
13	10.13	−44	51.13	+3	20.02	−5	14.23	−4	24.85	−15	24.08	−5
14	8.87	−33	51.31	+5	20.00	−4	14.53	−1	24.85	−15	24.39	−2
15	7.60	−17	51.49	+6	19.98	−3	14.84	+2	24.84	−12	24.71	+1
16	6.30	+2	51.66	+5	19.95	−1	15.14	+4	24.82	−7	25.02	+4
sec δ, tg δ	89° 12′ 40″		72.631	−72.624	81° 47′ 0″		6.997	−6.925	87° 54′ 10″		27.326	−27.308
	50		72.887	−72.881	10		6.999	−6.928	20		27.362	−27.344

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$	in 0.01 s	−85° 9′	in 0.01″	$9^h 8^m$	in 0.01 s	−85° 21′	in 0.01″	$12^h 46^m$	in 0.01 s	−84° 42′	in 0.01″
Sept. 16	47.74 s	−4	30.68″	+1	4.92 s	0	15.21″	−5	35.01 s	+4	18.14″	−1
17	47.88	−1	30.94	+4	5.08	−2	14.95	−3	34.94	+3	17.84	−3
18	48.01	+1	31.21	+6	5.25	−4	14.70	−1	34.87	+1	17.54	−5
19	48.15	+4	31.48	+6	5.41	−5	14.45	+3	34.81	−2	17.23	−5
20	48.27	+5	31.76	+4	5.59	−5	14.21	+5	34.75	−4	16.93	−4
21	48.39	+5	32.04	+1	5.76	−3	13.97	+7	34.70	−5	16.62	−1
22	48.51	+4	32.32	−1	5.94	−1	13.73	+6	34.65	−5	16.31	+2
23	48.63	+2	32.60	−4	6.12	+2	13.50	+4	34.61	−4	16.01	+4
24	48.73	−1	32.89	−5	6.31	+3	13.27	+1	34.57	−2	15.70	+5
25	48.84	−3	33.18	−4	6.50	+4	13.05	−3	34.53	+1	15.38	+4
26	48.94	−5	33.48	−2	6.69	+4	12.83	−6	34.50	+4	15.07	+2
27	49.04	−6	33.78	+1	6.89	+2	12.62	−9	34.47	+6	14.76	−1
28	49.13	−6	34.08	+4	7.09	0	12.41	−9	34.45	+7	14.45	−4
29	49.22	−4	34.38	+6	7.29	−2	12.20	−8	34.43	+6	14.13	−7
30	49.30	−2	34.69	+8	7.50	−4	12.00	−6	34.41	+4	13.82	−8
Okt. 1	49.38	0	34.99	+8	7.71	−5	11.81	−4	34.40	+2	13.50	−9
2	49.45	+2	35.30	+7	7.93	−5	11.62	−1	34.40	0	13.18	−8
3	49.52	+4	35.61	+6	8.14	−5	11.43	+3	34.39 34.40	−2 −4	12.87 12.55	−6 −3
4	49.59	+5	35.92	+3	8.37	−4	11.25	+5	34.40	−5	12.24	0
5	49.65	+5	36.23	0	8.59	−2	11.08	+7	34.41	−5	11.92	+3
6	49.71	+4	36.55	−3	8.82	0	10.91	+7	34.43	−5	11.60	+6
7	49.76	+3	36.87	−6	9.05	+2	10.74	+7	34.45	−3	11.28	+8
8	49.81	+1	37.18	−7	9.28	+4	10.58	+5	34.48	−1	10.97	+9
9	49.85	−1	37.50	−9	9.51	+6	10.43	+3	34.51	+1	10.66	+9
10	49.88	−3	37.82	−9	9.75	+6	10.28	0	34.55	+2	10.34	+7
11	49.91	−4	38.14	−7	9.99	+6	10.14	−3	34.59	+4	10.03	+4
12	49.94	−5	38.46	−4	10.23	+4	10.01	−4	34.63	+5	9.72	+1
13	49.96	−4	38.79	0	10.48	+2	9.88	−5	34.68	+4	9.41	−2
14	49.97	−2	39.11	+3	10.73	−1	9.75	−4	34.73	+2	9.10	−4
15	49.98	0	39.43	+5	10.98	−3	9.63	−2	34.79	−1	8.79	−5
16	49.99	+3	39.76	+6	11.23	−5	9.52	+2	34.85	−4	8.49	−4
17	49.99	+5	40.08	+5	11.49	−5	9.41	+5	34.92	−5	8.19	−2
18	49.99	+6	40.41	+2	11.74	−3	9.31	+7	34.99	−6	7.88	+1
19	49.98	+5	40.73	−1	12.00	−1	9.22	+7	35.06	−5	7.58	+4
20	49.97	+3	41.05	−4	12.26	+1	9.13	+6	35.14	−3	7.28	+5
21	49.95	+1	41.38	−5	12.52	+3	9.05	+3	35.23	0	6.98	+5
22	49.93	−2	41.70	−5	12.78	+4	8.97	−1	35.31	+3	6.69	+3
23	49.90	−5	42.03	−3	13.05	+4	8.90	−5	35.41	+5	6.40	+1
sec δ. tg δ	85° 9′ 30″	11.848	−11.806		85° 21′ 10″	12.343	−12.302		84° 42′ 10″	10.832	−10.785	
	40	11.855	−11.813		20	12.350	−12.309		20	10.837	−10.791	

Tag	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$	in ^{s} 0.01	−87° 50′	in ″ 0.01	$16^h 31^m$	in ^{s} 0.01	−86° 13′	in ″ 0.01	$18^h 9^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
Sept. 16	31.06	+ 9	24.07	+ 2	43.75	+ 4	51.07	+ 4	40.90	+ 4	58.05	+ 5
17	30.64	+ 9	23.86	− 2	43.44	+ 5	50.99	0	40.39	+ 8	58.10	+ 2
18	30.22	+ 5	23.65	− 5	43.14	+ 5	50.90	− 3	39.88	+ 9	58.15	− 2
19	29.82	− 1	23.43	− 7	42.83	+ 3	50.81	− 7	39.37	+ 8	58.19	− 5
20	29.42	− 6	23.22	− 7	42.53	− 1	50.72	− 8	38.86	+ 4	58.22	− 7
21	29.02	−11	22.99	− 5	42.23	− 4	50.61	− 7	38.35	− 1	58.25	− 8
22	28.64	−13	22.76	− 2	41.94	− 6	50.50	− 4	37.83	− 6	58.28	− 6
23	28.26	−11	22.53	+ 1	41.64	− 6	50.39	− 1	37.32	− 9	58.30	− 3
24	27.89	− 6	22.30	+ 4	41.35	− 5	50.27	+ 2	36.80	− 9	58.31	+ 1
25	27.52	+ 1	22.05	+ 5	41.06	− 2	50.14	+ 5	36.29	− 6	58.32	+ 4
26	27.17	+ 8	21.81	+ 5	40.77	+ 2	50.01	+ 6	35.77	− 1	58.32	+ 7
27	26.82	+14	21.56	+ 3	40.48	+ 6	49.87	+ 6	35.25	+ 5	58.31	+ 8
28	26.48	+17	21.31	0	40.19	+ 9	49.73	+ 4	34.73	+11	58.30	+ 7
29	26.15	+17	21.05	− 3	39.91	+11	49.58	+ 1	34.21	+15	58.28	+ 5
30	25.83	+15	20.79	− 5	39.63	+10	49.42	− 2	33.70	+16	58.25	+ 2
Okt. 1	25.51	+10	20.53	− 7	39.35	+ 9	49.26	− 4	33.18	+15	58.22	− 1
2	25.21	+ 5	20.26	− 7	39.08	+ 6	49.10	− 6	32.67	+12	58.18	− 3
3	24.92	− 1	19.99	− 7	38.81	+ 3	48.93	− 7	32.15	+ 8	58.13	− 5
4	24.63	− 6	19.72	− 6	38.55	− 1	48.75	− 7	31.64	+ 3	58.08	− 6
5	24.36	−10	19.44	− 3	38.29	− 4	48.57	− 5	31.13	− 3	58.03	− 6
6	24.09	−13	19.16	− 1	38.03	− 7	48.39	− 3	30.62	− 8	57.97	− 6
7	23.83	−14	18.88	+ 3	37.77	− 9	48.20	0	30.11	−12	57.90	− 4
8	23.58	−12	18.59	+ 5	37.52	− 9	48.00	+ 2	29.60	−15	57.83	− 1
9	23.35	− 9	18.30	+ 8	37.27	− 9	47.80	+ 5	29.10	−16	57.75	+ 2
10	23.12	− 4	18.01	+ 9	37.03	− 6	47.60	+ 7	28.60	−14	57.66	+ 5
11	22.91	+ 1	17.71	+ 9	36.79	− 3	47.39	+ 8	28.10	−10	57.57	+ 7
12	22.70	+ 6	17.42	+ 7	36.56	0	47.18	+ 8	27.61	− 4	57.47	+ 7
13	22.51	+ 9	17.12	+ 4	36.33	+ 3	46.96	+ 5	27.12	+ 2	57.37	+ 6
14	22.32	+ 9	16.82	0	36.10	+ 5	46.74	+ 2	26.63	+ 6	57.26	+ 3
15	22.14	+ 7	16.52	− 3	35.88	+ 5	46.51	− 2	26.15	+ 8	57.15	0
16	21.98	+ 1	16.22	− 6	35.66	+ 3	46.28	− 5	25.67	+ 8	57.03	− 4
17	21.82	− 5	15.91	− 6	35.45	0	46.05	− 7	25.19	+ 5	56.90	− 7
18	21.68	−10	15.60	− 5	35.24	− 3	45.81	− 7	24.72	0	56.77	− 8
19	21.54	−13	15.29	− 3	35.04	− 6	45.57	− 5	24.25	− 5	56.63	− 7
20	21.42	−13	14.98	+ 1	34.84	− 7	45.32	− 2	23.78	− 9	56.49	− 4
21	21.31	− 9	14.67	+ 3	34.64	− 7	45.07	+ 1	23.32	−10	56.34	− 1
22	21.21	− 3	14.36	+ 5	34.46	− 4	44.81	+ 4	22.87	− 8	56.18	+ 3
23	21.12	+ 4	14.05	+ 5	34.27	0	44.56	+ 6	22.42	− 3	56.03	+ 6

sec δ, tg δ									
	87° 50′ 10″	26.484	−26.466	86° 13′ 40″	15.200	−15.167	87° 39′ 50″	24.533	−24.513
	20	26.518	−26.500	50	15.211	−15.178	60	24.562	−24.542

Tag	σ Octantis 6^m				β Octantis $4^m.1$				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$19^h 36^m$	in s 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in s 0.01	−81° 47′	in ″ 0.01	$23^h 17^m$	in s 0.01	−87° 54′	in ″ 0.01
Sept. 16	66.30	+ 2	51.66	+ 5	19.95	− 1	15.14	+ 4	24.82	− 7	25.02	+ 4
17	64.99	+18	51.83	+ 3	19.92	+ 1	15.45	+ 5	24.79	0	25.34	+ 5
18	63.66	+28	51.99	0	19.89	+ 3	15.75	+ 4	24.75	+ 7	25.66	+ 5
19	62.32	+30	52.14	− 3	19.85	+ 4	16.05	+ 2	24.69	+13	25.97	+ 3
20	60.96	+23	52.29	− 6	19.81	+ 4	16.35	− 1	24.63	+15	26.29	0
21	59.59	+10	52.43	− 7	19.77	+ 3	16.64	− 4	24.55	+13	26.60	− 3
22	58.21	− 5	52.57	− 7	19.73	+ 1	16.94	− 6	24.46	+ 8	26.91	− 5
23	56.81	−17	52.71	− 4	19.68	− 1	17.23	− 6	24.37	+ 1	27.23	− 5
24	55.40	−24	52.84	− 1	19.63	− 2	17.53	− 4	24.26	− 5	27.54	− 4
25	53.97	−22	52.96	+ 3	19.58	− 3	17.82	− 1	24.14	−10	27.84	− 2
26	52.54	−13	53.08	+ 6	19.53	− 3	18.11	+ 3	24.01	−12	28.15	+ 2
27	51.09	+ 1	53.19	+ 8	19.47	− 2	18.40	+ 6	23.87	−12	28.46	+ 5
28	49.63	+17	53.30	+ 9	19.41	− 1	18.69	+ 8	23.72	− 8	28.77	+ 8
29	48.16	+30	53.40	+ 8	19.35	+ 1	18.97	+10	23.55	− 3	29.08	+ 9
30	46.68	+39	53.49	+ 5	19.29	+ 2	19.26	+ 9	23.38	+ 2	29.38	+ 9
Okt. 1	45.19	+42	53.58	+ 2	19.22	+ 3	19.54	+ 7	23.18	+ 7	29.68	+ 8
2	43.69	+38	53.66	− 1	19.15	+ 4	19.81	+ 5	22.99	+11	29.98	+ 6
3	42.18	+30	53.74	− 3	19.08	+ 4	20.09	+ 1	22.79	+12	30.28	+ 2
4	40.66	+18	53.81	− 5	19.01	+ 3	20.36	− 2	22.57	+12	30.58	− 1
5	39.14	+ 3	53.87	− 7	18.93	+ 2	20.63	− 5	22.34	+10	30.88	− 4
6	37.61	−12	53.93	− 7	18.85	0	20.90	− 7	22.10	+ 6	31.17	− 6
7	36.08	−27	53.98	− 6	18.77	− 1	21.16	− 8	21.85	+ 1	31.46	− 8
8	34.54	−38	54.03	− 4	18.68	− 3	21.42	− 8	21.59	− 4	31.75	− 8
9	33.00	−44	54.07	− 1	18.60	− 4	21.67	− 7	21.32	− 9	32.03	− 8
10	31.45	−44	54.10	+ 2	18.51	− 5	21.93	− 5	21.04	−14	32.31	− 6
11	29.90	−37	54.13	+ 4	18.42	− 5	22.17	− 2	20.75	−15	32.59	− 3
12	28.35	−23	54.15	+ 6	18.32	− 4	22.42	+ 1	20.45	−14	32.86	0
13	26.79	− 6	54.16	+ 6	18.23	− 2	22.66	+ 3	20.14	− 9	33.14	+ 3
14	25.23	+10	54.17	+ 4	18.13	0	22.90	+ 5	19.83	− 3	33.41	+ 4
15	23.67	+23	54.17	+ 2	18.03	+ 2	23.13	+ 4	19.50	+ 4	33.67	+ 5
16	22.11	+27	54.17	− 2	17.93	+ 3	23.36	+ 2	19.16	+10	33.94	+ 3
17	20.56	+24	54.16	− 5	17.83	+ 4	23.59	− 1	18.81	+14	34.20	0
18	19.00	+12	54.14	− 7	17.72	+ 3	23.81	− 4	18.45	+14	34.46	− 2
19	17.45	− 3	54.12	− 8	17.62	+ 2	24.03	− 6	18.09	+10	34.71	− 5
20	15.89	−17	54.09	− 6	17.51	0	24.24	− 6	17.72	+ 4	34.96	− 6
21	14.34	−26	54.06	− 3	17.40	− 2	24.45	− 5	17.33	− 2	35.20	− 6
22	12.79	−27	54.02	+ 1	17.28	− 3	24.65	− 3	16.94	− 9	35.44	− 3
23	11.24	−20	53.97	+ 5	17.17	− 3	24.85	+ 1	16.55	−12	35.67	0
sec δ, tg δ	89° 12′ 50″		72.887	−72.881	81° 47′ 20″		7.002	−6.930	87° 54′ 30″		27.398	−27.380
	60		73.146	−73.139	30		7.004	−6.932	40		27.435	−27.417

Tag	· Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$ s	in s 0.01	−85° 9′ ″	in ″ 0.01	$9^h 8^m$ s	in s 0.01	−85° 21′ ″	in ″ 0.01	$12^h 46^m$ s	in s 0.01	−84° 41′ ″	in ″ 0.01
Okt. 23	49.90	−5	42.03	−3	13.05	+4	8.90	−5	35.41	+5	66.40	+1
24	49.87	−6	42.35	−1	13.31	+3	8.83	−8	35.50	+6	66.11	−3
25	49.83	−6	42.68	+2	13.57	+1	8.77	−9	35.60	+6	65.82	−6
26	49.79	−5	43.00	+6	13.83	−1	8.72	−9	35.71	+5	65.54	−8
27	49.74	−3	43.32	+8	14.10	−3	8.67	−8	35.82	+3	65.26	−9
28	49.69	−1	43.65	+8	14.37	−4	8.63	−5	35.93	+1	64.98	−8
29	49.64	+1	43.96	+8	14.64	−5	8.60	−2	36.05	−1	64.71	−7
30	49.58	+3	44.28	+7	14.92	−5	8.58	+1	36.17	−3	64.44	−5
31	49.51	+4	44.60	+4	15.19	−4	8.56	+4	36.30	−4	64.17	−2
Nov. 1	49.44	+5	44.91	+2	15.46	−3	8.54	+6	36.43	−5	63.91	+1
2	49.37	+5	45.22	−1	15.73	−1	8.54	+7	36.57	−5	63.65	+4
3	49.29	+4	45.54	−4	16.01	+1	8.54	+7	36.71	−4	63.39	+7
4	49.20	+2	45.84	−7	16.28	+3	8.55	+6	36.85	−2	63.14	+8
5	49.11	0	46.15	−8	16.55	+5	8.56	+4	37.00	0	62.89	+8
6	49.01	−2	46.45	−9	16.82	+6	8.58	+1	37.15	+2	62.64	+7
7	48.91	−4	46.75	−7	17.09	+6	8.61	−2	37.31	+4	62.40	+5
8	48.81	−5	47.05	−5	17.37	+5	8.64	−4	37.46	+5	62.17	+2
9	48.70	−5	47.35	−2	17.64	+3	8.68	−5	37.63	+4	61.93	−2
10	48.59	−3	47.64	+2	17.91	0	8.73	−5	37.79	+3	61.71	−4
11	48.47	−1	47.93	+4	18.18	−3	8.78	−3	37.96	0	61.48	−5
12	48.35	+2	48.22	+6	18.46	−4	8.84	0	38.13	−2	61.26	−5
13	48.22	+4	48.50	+5	18.73	−5	8.91	+4	38.31	−5	61.05	−3
14	48.09	+6	48.78	+3	19.00	−4	8.98	+6	38.49	−6	60.84	0
15	47.96	+6	49.06	0	19.27	−2	9.06	+7	38.67	−6	60.63	+3
16	47.82	+4	49.33	−3	19.54	0	9.14	+7	38.86	−4	60.43	+5
17	47.68	+2	49.60	−5	19.80	+3	9.24	+5	39.05	−1	60.24	+6
18	47.54	−1	49.87	−6	20.07	+4	9.33	+1	39.24	+2	60.05	+5
19	47.39	−4	50.13	−5	20.33	+4	9.44	−3	39.44	+4	59.86	+3
20	47.23	−5	50.39	−3	20.59	+4	9.55	−6	39.64	+6	59.68	−1
21	47.08	−6	50.65	+1	20.86	+2	9.67	−9	39.84	+6	59.51	−4
22	46.91	−5	50.90	+4	21.12	0	9.79	−9	40.04	+6	59.34	−7
23	46.75	−4	51.15	+7	21.37	−2	9.92	−8	40.25	+4	59.17	−9
24	46.58	−2	51.40	+8	21.63	−4	10.06	−6	40.46	+1	59.01	−9
25	46.40	+1	51.64	+8	21.89	−5	10.21	−3	40.67	−1	58.86	−8
26	46.22	+2	51.88	+7	22.14	−5	10.36	0	40.89	−3	58.71	−6
27	46.04	+4	52.11	+5	22.39	−5	10.51	+3	41.10	−4	58.57	−3
28	45.85	+5	52.34	+3	22.64	−3	10.68	+5	41.33	−5	58.43	0
29	45.67	+5	52.56	0	22.88	−2	10.84	+7	41.55	−5	58.30	+3
sec δ, tg δ	85° 9′ 40″	11.855	−11.813		85° 21′ 0″	12.335	−12.295		84° 41′ 60″	10.826	−10.780	
	50	11.862	−11.819		10	12.343	−12.302		70	10.832	−10.785	

Tag	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$ s	in s 0.01	−87° 50′ ″	in ″ 0.01	$16^h 31^m$ s	in s 0.01	−86° 13′ ″	in ″ 0.01	$18^h 9^m$ s	in s 0.01	−87° 39′ ″	in ″ 0.01
Okt. 23	21.12	+ 4	14.05	+ 5	34.27	0	44.56	+ 6	22.42	− 3	56.03	+ 6
24	21.04	+11	13.73	+ 4	34.09	+ 4	44.29	+ 6	21.97	+ 2	55.86	+ 7
25	20.97	+16	13.42	+ 2	33.92	+ 8	44.03	+ 5	21.53	+ 8	55.69	+ 7
26	20.92	+17	13.10	− 2	33.75	+10	43.76	+ 2	21.10	+13	55.52	+ 6
27	20.87	+16	12.78	− 5	33.59	+11	43.49	− 1	20.67	+16	55.34	+ 3
28	20.84	+13	12.46	− 7	33.43	+10	43.22	− 3	20.25	+16	55.15	0
29	20.81	+ 8	12.14	− 8	33.28	+ 8	42.94	− 5	19.83	+14	54.96	− 3
30	20.80	+ 2	11.82	− 8	33.14	+ 4	42.66	− 7	19.43	+10	54.77	− 5
31	20.80	− 4	11.50	− 7	33.00	+ 1	42.37	− 7	19.03	+ 5	54.57	− 6
Nov. 1	20.82	− 8	11.18	− 4	32.87	− 3	42.09	− 6	18.63	0	54.36	− 7
2	{20.84 20.88	−12 −13	10.86 10.54	− 2 + 1	32.75	− 6	41.80	− 4	18.24	− 5	54.15	− 6
3	20.92	−13	10.22	+ 4	32.63	− 8	41.51	− 2	17.86	−10	53.94	− 4
4	20.98	−10	9.90	+ 7	32.51	− 9	41.22	+ 1	17.49	−13	53.72	− 2
5	21.05	− 7	9.59	+ 8	32.40	− 8	40.92	+ 4	17.12	−15	53.49	+ 1
6	21.13	0	9.27	+ 9	32.30	− 7	40.62	+ 6	16.76	−13	53.26	+ 4
7	21.22	+ 5	8.96	+ 7	32.20	− 4	40.32	+ 8	16.41	−11	53.02	+ 6
8	21.33	+ 9	8.64	+ 5	32.11	− 1	40.01	+ 8	16.06	− 5	52.78	+ 7
9	21.44	+10	8.33	+ 1	32.03	+ 3	39.71	+ 6	15.73	0	52.54	+ 7
10	21.57	+ 9	8.02	− 2	31.96	+ 5	39.40	+ 4	15.40	+ 5	52.29	+ 5
11	21.71	+ 4	7.70	− 5	31.89	+ 6	39.09	0	15.08	+ 8	52.04	+ 2
12	21.86	− 2	7.39	− 6	31.82	+ 5	38.79	− 4	14.77	+ 9	51.79	− 2
13	22.02	− 8	7.09	− 6	31.77	+ 2	38.48	− 6	14.47	+ 6	51.53	− 6
14	22.20	−13	6.78	− 3	31.72	− 2	38.16	− 7	14.17	+ 2	51.27	− 8
15	22.38	−14	6.47	0	31.68	− 5	37.85	− 6	13.89	− 4	51.01	− 8
16	22.57	−12	6.17	+ 3	31.64	− 8	37.54	− 3	13.61	− 9	50.74	− 6
17	22.78	− 7	5.86	+ 5	31.61	− 8	37.23	0	13.34	−11	50.47	− 3
18	22.99	0	5.57	+ 6	31.58	− 6	36.91	+ 3	13.09	−11	50.19	+ 1
19	23.22	+ 7	5.27	+ 5	31.57	− 3	36.60	+ 6	12.84	− 7	49.91	+ 5
20	23.46	+13	4.98	+ 3	31.56	+ 2	36.28	+ 7	12.60	− 1	49.62	+ 7
21	23.70	+16	4.69	0	31.55	+ 6	35.96	+ 6	12.37	+ 5	49.34	+ 8
22	23.96	+17	4.40	− 3	31.55	+ 9	35.65	+ 4	12.15	+11	49.05	+ 7
23	24.23	+14	4.11	− 6	31.56	+11	35.33	+ 1	11.94	+15	48.76	+ 4
24	24.51	+ 9	3.83	− 7	31.58	+10	35.01	− 2	11.74	+16	48.47	+ 1
25	24.80	+ 4	3.55	− 8	31.60	+ 9	34.70	− 5	11.54	+15	48.17	− 2
26	25.10	− 2	3.27	− 7	31.63	+ 6	34.38	− 6	11.36	+12	47.87	− 4
27	25.41	− 7	3.00	− 5	31.67	+ 2	34.06	− 7	11.19	+ 8	47.57	− 6
28	25.73	−10	2.73	− 3	{31.71 31.76	− 1 − 4	33.74 33.43	− 7 − 5	11.03	+ 2	47.26	− 6
29	26.06	−13	2.46	0	31.81	− 7	33.11	− 3	10.88	− 3	46.96	− 6
sec δ, tg δ	87° 50′ 0″ 10	26.451 26.484	−26.432 −26.466		86° 13′ 30″ 40	15.189 15.200	−15.156 −15.167		87° 39′ 50″ 60	24.533 24.562	−24.513 −24.542	

Tag	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	19h 35m s	in s 0.01	−89° 12′ ″	in ″ 0.01	22h 38m s	in s 0.01	−81° 47′ ″	in ″ 0.01	23h 16m s	in s 0.01	−87° 54′ ″	in ″ 0.01
Okt. 23	71.24	−20	53.97	+ 5	17.17	− 3	24.85	+ 1	76.55	−12	35.67	0
24	69.70	− 6	53.92	+ 8	17.05	− 3	25.05	+ 5	76.14	−13	35.90	+ 4
25	68.17	+10	53.86	+ 9	16.93	− 1	25.24	+ 8	75.72	−10	36.13	+ 7
26	66.64	+25	53.79	+ 8	16.81	0	25.43	+ 9	75.30	− 5	36.35	+ 9
27	65.12	+37	53.72	+ 6	16.69	+ 2	25.61	+ 9	74.87	+ 1	36.57	+10
28	63.61	+42	53.64	+ 3	16.57	+ 3	25.78	+ 8	74.43	+ 6	36.78	+ 9
29	62.10	+42	53.55	0	16.44	+ 4	25.95	+ 6	73.98	+10	36.99	+ 7
30	60.60	+36	53.46	− 3	16.31	+ 4	26.12	+ 3	73.52	+12	37.20	+ 4
31	59.11	+25	53.36	− 5	16.19	+ 3	26.28	0	73.06	+13	37.40	+ 1
Nov. 1	57.63	+10	53.26	− 6	16.06	+ 2	26.43	− 3	72.59	+11	37.59	− 2
2	56.16	− 5	53.15	− 7	15.93	+ 1	26.58	− 6	72.11	+ 8	37.78	− 5
3	54.70	−19	53.03	− 6	15.80	0	26.73	− 7	71.63	+ 3	37.96	− 7
4	53.25	−32	52.91	− 4	15.67	− 2	26.87	− 8	71.14	− 2	38.14	− 8
5	51.81	−40	52.78	− 2	15.53	− 3	27.00	− 7	70.64	− 7	38.31	− 8
6	50.39	−42	52.65	+ 1	15.40	− 4	27.13	− 5	70.14	−12	38.48	− 6
7	48.98	−38	52.51	+ 4	15.27	− 5	27.25	− 3	69.63	−14	38.64	− 4
8	47.59	−27	52.36	+ 6	15.13	− 4	27.37	+ 1	69.11	−14	38.80	− 1
9	46.21	−11	52.21	+ 6	15.00	− 2	27.48	+ 3	68.59	−11	38.95	+ 2
10	44.84	+ 6	52.05	+ 5	14.86	− 1	27.58	+ 5	68.07	− 6	39.09	+ 4
11	43.49	+20	51.89	+ 3	14.72	+ 1	27.68	+ 5	67.54	+ 1	39.23	+ 5
12	42.15	+27	51.72	0	14.59	+ 3	27.77	+ 3	67.00	+ 8	39.37	+ 4
13	40.83	+26	51.55	− 4	14.45	+ 4	27.86	+ 1	66.46	+13	39.49	+ 2
14	39.53	+17	51.37	− 7	14.30	+ 4	27.94	− 3	65.92	+14	39.62	− 1
15	38.25	+ 2	51.19	− 8	14.16	+ 2	28.01	− 5	65.37	+12	39.73	− 4
16	36.98	−14	51.00	− 7	14.02	0	28.08	− 7	64.81	+ 6	39.84	− 6
17	35.73	−26	50.81	− 4	13.88	− 1	28.14	− 7	64.25	0	39.94	− 7
18	34.50	−31	50.61	− 1	13.73	− 3	28.20	− 5	63.69	− 7	40.04	− 5
19	33.30	−27	50.40	+ 3	13.59	− 3	28.24	− 1	63.12	−12	40.13	− 2
20	32.11	−16	50.19	+ 6	13.45	− 3	28.29	+ 2	62.55	−13	40.21	+ 1
21	30.94	0	49.97	+ 8	13.30	− 2	28.32	+ 6	61.98	−11	40.29	+ 5
22	29.79	+17	49.75	+ 8	13.16	0	28.35	+ 8	61.41	− 7	40.37	+ 8
23	28.66	+32	49.52	+ 7	13.02	+ 1	28.38	+10	60.83	− 2	40.43	+ 9
24	27.56	+41	49.29	+ 4	12.87	+ 3	28.40	+ 9	60.26	+ 4	40.50	+ 9
25	26.47	+43	49.05	+ 1	12.73	+ 4	28.41	+ 7	59.67	+ 9	40.55	+ 8
26	25.41	+39	48.81	− 1	12.58	+ 4	28.42	+ 4	59.09	+12	40.60	+ 5
27	24.37	+30	48.56	− 4	12.44	+ 4	28.42	+ 1	58.50	+13	40.64	+ 2
28	23.36	+17	48.31	− 6	12.29	+ 3	28.41	− 2	57.92	+12	40.68	− 1
29	22.37	+ 1	48.06	− 6	12.15	+ 2	28.39	− 5	57.33	+ 9	40.71	− 4
sec, tg δ	89° 12′ 50″ 60	72.887 72.146	−72.881 −72.139		81° 47′ 20″ 30	7.002 7.004	−6.930 −6.932		87° 54′ 30″ 40	27.398 27.435	−27.380 −27.417	

Tag	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$1^h 41^m$	in s 0.01	$-85°9'$	in ″ 0.01	$9^h 8^m$	in s 0.01	$-85°21'$	in ″ 0.01	$12^h 46^m$	in s 0.01	$-84°41'$	in ″ 0.01
Nov. 29	45.67	+5	52.56	0	22.88	−2	10.84	+7	41.55	−5	58.30	+3
30	45.47	+4	52.77	−3	23.12	0	11.02	+7	41.77	−4	58.18	+6
Dez. 1	45.28	+3	52.99	−6	23.36	+2	11.20	+6	42.00	−3	58.06	+7
2	45.08	+1	53.19	−8	23.60	+4	11.38	+4	42.23	−1	57.94	+8
3	44.88	−1	53.39	−8	23.84	+6	11.57	+2	42.45	+1	57.84	+8
4	44.67	−3	53.59	−8	24.08	+6	11.77	−1	42.69	+3	57.74	+6
5	44.46	−5	53.78	−6	24.31	+5	11.97	−4	42.92	+5	57.64	+3
6	44.25	−5	53.96	−2	24.54	+3	12.18	−5	43.16	+5	57.55	−1
7	44.03	−4	54.14	+1	24.77	+1	12.39	−6	43.40	+4	57.47	−4
8	43.82	−2	54.32	+4	24.99	−2	12.61	−4	43.64	+2	57.40	−5
9	43.60	+1	54.49	+6	25.21	−4	12.83	−2	43.88	−1	57.33	−6
10	43.37	+3	54.65	+6	25.43	−5	13.06	+2	44.13	−4	57.27	−4
11	43.15	+5	54.81	+4	25.64	−5	13.29	+5	44.37	−5	57.22	−1
12	42.92	+6	54.97	+1	25.85	−3	13.53	+7	44.62	−6	57.17	+2
13	42.69	+5	55.12	−2	26.06	−1	13.78	+7	44.86	−5	57.12	+5
14	42.46	+3	55.26	−5	26.26	+2	14.03	+6	45.11	−3	57.08	+6
15	42.22	0	55.40	−6	26.46	+4	14.28	+3	45.36	0	57.05	+6
16	41.98	−2	55.53	−6	26.65	+5	14.54	−1	45.61	+3	57.03	+4
17	41.74	−5	55.66	−4	26.84	+4	14.81	−5	45.87	+5	57.01	+1
18	41.50	−6	55.78	−1	27.03	+3	15.07	−7	46.12	+6	57.00	−2
19	41.26	−6	55.89	+2	27.21	+1	15.35	−9	46.37	+6	56.99	−5
20	41.01	−4	55.99	+5	27.39	−1	15.63	−8	46.63	+5	56.99	−8
21	40.77	−2	56.09	+8	27.57	−3	15.91	−7	46.88	+2	57.00	−9
22	40.52	0	56.19	+8	27.74	−5	16.19	−4	47.13	0	57.01	−8
23	40.27	+2	56.28	+8	27.91	−5	16.49	−1	47.39	−2	57.03	−6
24	40.01	+4	56.36	+6	28.08	−5	16.78	+2	47.64	−4	57.05	−4
25	39.76	+5	56.44	+4	28.24	−4	17.08	+4	47.90	−5	57.08	−1
26	39.50	+5	56.51	+1	28.40	−2	17.38	+6	48.15	−5	57.12	+2
27	39.25	+4	56.57	−2	28.55	0	17.69	+7	48.41	−5	57.16	+5
28	38.99	+3	56.63	−5	28.70	+2	18.00	+7	48.66	−3	57.21	+7
29	38.73	+2	56.68	−7	28.84	+4	18.31	+5	48.92	−2	57.27	+8
30	38.47	0	56.72	−8	28.98	+5	18.63	+3	49.18	+1	57.34	+8
31	38.21	−3	56.76	−8	29.11	+6	18.95	0	49.43	+3	57.41	+7
32	37.95	−4	56.80	−7	29.24	+6	19.27	−3	49.69	+4	57.49	+4
sec δ, tg δ	85° 9′ 50″	11.862	−11.819		85° 21′ 10″	12.343	−12.302		84° 41′ 50″	10.820	−10.774	
	60	11.868	−11.826		20	12.350	−12.309		60	10.826	−10.780	

Tag	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$14^h 48^m$	in 0.01 s	−87° 49′	in 0.01″	$16^h 31^m$	in 0.01 s	−86° 13′	in 0.01″	$18^h 9^m$	in 0.01 s	−87° 39′	in 0.01″
Nov. 29	26.06 s	−13	62.46″	0	31.81 s	−7	33.11″	−3	10.88 s	−3	46.96″	−6
30	26.40	−12	62.20	+3	31.88	−8	32.80	0	10.74	−8	46.65	−5
Dez. 1	26.75	−11	61.94	+6	31.95	−8	32.48	+3	10.61	−12	46.34	−3
2	27.11	−7	61.68	+8	32.02	−7	32.17	+5	10.49	−14	46.03	0
3	27.48	−2	61.43	+8	32.10	−5	31.86	+7	10.38	−14	45.71	+3
4	27.87	+4	61.18	+8	32.19	−1	31.55	+8	10.28	−12	45.40	+5
5	28.26	+8	60.93	+6	32.29	+2	31.24	+7	10.19	−7	45.08	+7
6	28.66	+11	60.69	+2	32.39	+5	30.93	+5	10.11	−1	44.76	+7
7	29.07	+10	60.45	−1	32.50	+6	30.62	+1	10.04	+4	44.44	+6
8	29.48	+7	60.22	−4	32.62	+6	30.32	−3	9.98	+8	44.11	+3
9	29.91	+1	59.99	−6	32.74	+3	30.02	−6	9.94	+10	43.79	−1
10	30.34	−5	59.77	−6	32.87	0	29.72	−7	9.90	+9	43.47	−4
11	30.78	−11	59.55	−5	33.00	−4	29.42	−7	9.88	+4	43.14	−7
12	31.23	−14	59.34	−2	33.14	−7	29.12	−5	9.86	−1	42.81	−8
13	31.69	−13	59.13	+2	33.29	−8	28.82	−2	9.86	−7	42.48	−7
14	32.16	−9	58.92	+4	33.45	−7	28.53	+2	9.86	−11	42.15	−4
15	32.63	−3	58.72	+6	33.61	−5	28.24	+5	9.88	−12	41.82	−1
16	33.11	+4	58.52	+6	33.78	−1	27.95	+7	9.91	−10	41.49	+3
17	33.60	+10	58.33	+4	33.95	+4	27.67	+6	9.95	−5	41.16	+6
18	34.10	+15	58.15	+2	34.13	+7	27.39	+5	10.00	+1	40.84	+7
19	34.61	+16	57.97	−2	34.31	+10	27.11	+2	10.06	+8	40.51	+7
20	35.12	+15	57.79	−5	34.50	+10	26.83	−1	10.13	+13	40.18	+5
21	35.63	+11	57.62	−7	34.70	+9	26.56	−4	10.21	+15	39.85	+2
22	36.16	+6	57.46	−8	34.90	+7	26.29	−6	10.30	+15	39.53	−1
23	36.69	0	57.30	−7	35.11	+4	26.02	−7	10.41 10.52	+13 +9	39.20 38.87	−3 −5
24	37.23	−5	57.14	−6	35.32	0	25.75	−7	10.64	+4	38.54	−6
25	37.77	−9	56.99	−4	35.54	−3	25.49	−6	10.78	−1	38.21	−6
26	38.32	−12	56.85	−1	35.77	−6	25.23	−4	10.93	−7	37.89	−5
27	38.87	−13	56.71	+2	36.00	−8	24.98	−1	11.08	−11	37.56	−4
28	39.44	−12	56.58	+5	36.23	−9	24.73	+2	11.25	−14	37.24	−1
29	40.00	−9	56.45	+7	36.47	−8	24.48	+5	11.43	−14	36.92	+2
30	40.58	−4	56.33	+8	36.72	−6	24.24	+7	11.61	−13	36.60	+4
31	41.16	+1	56.21	+8	36.97	−3	24.00	+8	11.81	−9	36.28	+6
32	41.74	+6	56.10	+7	37.22	+1	23.76	+8	12.01	−4	35.97	+7
sec δ, tg δ	87° 49′ 50″ 60	26.417 26.451	−26.398 −26.432		86° 13′ 20″ 30	15.178 15.189	−15.145 −15.156		87° 39′ 40″ 50	24.504 24.533	−24.483 −24.513	

Tag	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
1922	$19^h 35^m$	in ˢ 0.01	−89° 12′	in ″ 0.01	$22^h 38^m$	in ˢ 0.01	−81° 47′	in ″ 0.01	$23^h 16^m$	in ˢ 0.01	−87° 54′	in ″ 0.01
Nov. 29	22.37	+ 1	48.06	− 6	12.15	+ 2	28.39	− 5	57.33	+ 9	40.71	− 4
30	21.41	−14	47.80	− 6	12.01	0	28.37	− 6	56.74	+ 5	40.73	− 6
Dez. 1	20.47	−27	47.54	− 5	11.87	− 1	28.34	− 7	56.15	0	40.74	− 7
2	19.55	−37	47.27	− 3	11.72	− 3	28.31	− 7	55.56	− 5	40.75	− 8
3	18.66	−41	47.00	0	11.58	− 4	28.27	− 6	54.96	−10	40.75	− 7
4	17.80	−39	46.73	+ 3	11.44	− 4	28.23	− 4	54.37	−14	40.75	− 5
5	16.96	−30	46.45	+ 5	11.30	− 4	28.18	0	53.78	−15	40.74	− 2
6	16.15	−15	46.17	+ 6	11.16	− 3	28.12	+ 2	53.18	−13	40.72	+ 1
7	15.36	+ 2	45.89	+ 6	11.02	− 1	28.05	+ 5	52.59	− 8	40.70	+ 4
8	14.61	+17	45.60	+ 4	10.88	+ 1	27.98	+ 6	52.00	− 1	40.67	+ 6
9	13.88	+28	45.31	+ 1	10.74	+ 2	27.91	+ 5	51.40	+ 5	40.63	+ 5
10	13.17	+30	45.01	− 2	10.60	+ 4	27.82	+ 2	50.81	+11	40.58	+ 3
11	12.50	+24	44.71	− 5	10.47	+ 4	27.73	− 1	50.23	+14	40.53	0
12	11.85	+10	44.41	− 7	10.33	+ 3	27.64	− 4	49.64	+13	40.48	− 3
13	11.23	− 6	44.10	− 8	10.20	+ 1	27.54	− 6	49.05	+ 9	40.41	− 6
14	10.64	−21	43.79	− 6	10.06	− 1	27.43	− 7	48.47	+ 3	40.34	− 7
15	10.08	−30	43.48	− 3	9.93	− 2	27.32	− 6	47.88	− 4	40.26	− 6
16	9.55	−31	43.17	+ 2	9.80	− 3	27.20	− 3	47.30	−10	40.18	− 4
17	9.05	−23	42.85	+ 5	9.67	− 3	27.07	0	46.72	−13	40.09	− 1
18	8.57	− 9	42.53	+ 7	9.54	− 3	26.94	+ 4	46.14	−13	39.99	+ 3
19	8.13	+ 8	42.21	+ 7	9.41	− 1	26.81	+ 7	45.57	−10	39.89	+ 6
20	7.71	+24	41.89	+ 8	9.29	0	26.66	+ 9	44.99	− 4	39.78	+ 8
21	7.33	+36	41.56	+ 5	9.16	+ 2	26.51	+ 9	44.43	+ 2	39.66	+ 9
22	6.97	+42	41.23	+ 2	9.04	+ 3	26.36	+ 8	43.86	+ 7	39.54	+ 8
23	6.65	+40	40.90	0	8.91	+ 4	26.20	+ 5	43.30	+11	39.42	+ 6
24	6.35	+33	40.57	− 3	8.79	+ 4	26.03	+ 2	42.74	+13	39.28	+ 3
25	6.09	+21	40.24	− 5	8.67	+ 3	25.86	− 1	42.19	+13	39.14	0
26	5.85	+ 7	39.90	− 6	8.55	+ 2	25.68	− 4	41.64	+11	39.00	− 3
27	5.65	− 9	39.57	− 7	8.43	+ 1	25.50	− 6	41.09	+ 7	38.85	− 6
28	5.47	−23	39.23	− 6	8.31	− 1	25.31	− 7	40.55	+ 2	38.69	− 7
29	5.33	−34	38.89	− 4	8.20	− 2	25.11	− 8	40.02	− 3	38.53	− 8
30	5.21	−41	38.55	− 1	8.09	− 3	24.91	− 7	39.49	− 8	38.36	− 7
31	5.13	−41	38.21	+ 1	7.98	− 4	24.71	− 5	38.96	−12	38.19	− 6
32	5.08	−35	37.87	+ 4	7.87	− 4	24.50	− 2	38.44	−14	38.01	− 3
sec δ, tg δ	89° 12′ 40″	72.631	−72.624		81° 47′ 20″	7.002	−6.930		87° 54′ 30″	27.398	−27.380	
	50	72.887	−72.881		30	7.004	−6.932		40	27.435	−27.417	

Formeln

zur Reduktion auf den scheinbaren Ort

$$A = t - (0.34215 + 0.00031\,T)\sin\Omega + 0.00415\sin 2\Omega - 0.02526\sin 2L_\odot + 0.00251\sin M_\odot - 0.00099\sin(2L_\odot + M_\odot) + 0.00042\sin(2L_\odot - M_\odot) + 0.00025\sin(2L_\odot - \Omega)$$

$$A' = -0.00405\sin 2L_☾ + 0.00135\sin M_☾ - 0.00068\sin(2L_☾ - \Omega) - 0.00052\sin(2L_☾ + M_☾) + 0.00030\sin(2L_☾ - 2L_\odot - M_☾) + 0.00023\sin(2L_☾ - M_☾) + 0.00012\sin(2L_☾ - 2L_\odot)$$

$$B = -(9''.210 + 0''.001\,T)\cos\Omega + 0''.090\cos 2\Omega - 0''.551\cos 2L_\odot - 0''.022\cos(2L_\odot + M_\odot) + 0''.009\cos(2L_\odot - M_\odot) + 0''.007\cos(2L_\odot - \Omega)$$

$$B' = -0''.089\cos 2L_☾ - 0''.018\cos(2L_☾ - \Omega) - 0''.011\cos(2L_☾ + M_☾) + 0''.005\cos(2L_☾ - M_☾)$$

$$C = -20''.47\cos\odot\cos\varepsilon$$

$$D = -20''.47\sin\odot$$

$$E = -(0^s.0029 - 0^s.0004\,T)\sin\Omega$$

T Zeit seit 1900.0 in Einheiten von 100 tropischen Jahren
t Zeit seit Beginn des annus fictus, in Bruchteilen des tropischen Jahres

$a = m + {}^1/_{15}\, n\sin\alpha\,\mathrm{tg}\,\delta$	$a' = n\cos\alpha$
$b = {}^1/_{15}\cos\alpha\,\mathrm{tg}\,\delta$	$b' = -\sin\alpha$
$c = {}^1/_{15}\cos\alpha\sec\delta$	$c' = \mathrm{tg}\,\varepsilon\cos\delta - \sin\alpha\sin\delta$
$d = {}^1/_{15}\sin\alpha\sec\delta$	$d' = \cos\alpha\sin\delta$

$$\alpha_{\text{app.}} = \alpha_{1922.0} + t\mu_\alpha + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\delta_{\text{app.}} = \delta_{1922.0} + t\mu_\delta + Aa' + Bb' + Cc' + Dd' \qquad + [A'a' + B'b']$$

μ_α, μ_δ jährliche Eigenbewegung in Rektaszension, bez. Deklination

Setzt man:

$f = mA + E$	$f' = mA'$	$i = C\,\mathrm{tg}\,\varepsilon$
$g\sin G = B$	$g'\sin G' = B'$	$h\sin H = C$
$g\cos G = nA$	$g'\cos G' = nA'$	$h\cos H = D$,

so wird:

$$\alpha_{\text{app.}} = \alpha_{1922.0} + t\mu_\alpha + f + {}^1/_{15}\, g\sin(G+\alpha)\,\mathrm{tg}\,\delta + {}^1/_{15}\, h\sin(H+\alpha)\sec\delta + [f' + {}^1/_{15}\, g'\sin(G'+\alpha)\,\mathrm{tg}\,\delta]$$

$$\delta_{\text{app.}} = \delta_{1922.0} + t\mu_\delta + g\cos(G+\alpha) + h\cos(H+\alpha)\sin\delta + i\cos\delta + [g'\cos(G'+\alpha)]$$

Reduktionsgrößen 1922

für 12ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich	t	log A	log B	log C	log D	E
1922						
Jan. 0.7	0.0002	8.96265	0.98078	0.51468$_n$	1.30443	+0.0006
10.7	0.0275	9.09433	0.97713	0.81178$_n$	1.28357	6
20.7	0.0548	9.18941	0.97090	0.97722$_n$	1.24709	6
30.6	0.0821	9.26067	0.96294	1.08611$_n$	1.19223	5
Febr. 9.6	0.1094	9.31515	0.95434	1.16170$_n$	1.11371	5
19.6	0.1367	9.35761	0.94616	1.21410$_n$	1.00121	+0.0005
März 1.6	0.1640	9.39151	0.93967	1.24856$_n$	0.83040	5
11.5	0.1913	9.41969	0.93576	1.26790$_n$	0.52075	5
21.5	0.2186	9.44457	0.93495	1.27368$_n$	9.33244$_n$	4
31.5	0.2460	9.46817	0.93747	1.26637$_n$	0.57043$_n$	4
April 10.4	0.2733	9.49205	0.94300	1.24588$_n$	0.85101$_n$	+0.0004
20.4	0.3006	9.51717	0.95066	1.21104$_n$	1.01059$_n$	4
30.4	0.3279	9.54400	0.95971	1.15957$_n$	1.11687$_n$	4
Mai 10.4	0.3552	9.57254	0.96904	1.08714$_n$	1.19151$_n$	3
20.3	0.3825	9.60228	0.97754	0.98958$_n$	1.24423$_n$	3
30.3	0.4098	9.63255	0.98457	0.83613$_n$	1.28005$_n$	+0.0003
Juni 9.3	0.4371	9.66254	0.98945	0.58681$_n$	1.30172$_n$	3
19.3	0.4644	9.69152	0.99176	9.88536$_n$	1.31076$_n$	2
29.2	0.4917	9.71885	0.99140	0.36996	1.30773$_n$	2
Juli 9.2	0.5190	9.74402	0.98838	0.73151	1.29246$_n$	2
19.2	0.5463	9.76670	0.98308	0.91845	1.26409$_n$	+0.0002
29.1	0.5736	9.78674	0.97598	1.03993	1.22066$_n$	1
Aug. 8.1	0.6009	9.80415	0.96788	1.12516	1.15857$_n$	1
18.1	0.6282	9.81908	0.95947	1.18619	1.07144$_n$	1
28.1	0.6555	9.83186	0.95177	1.22901	0.94581$_n$	0
Sept. 7.0	0.6828	9.84290	0.94586	1.25677	0.74842$_n$	−0.0000
17.0	0.7101	9.85275	0.94236	1.27116	0.34301$_n$	0
27.0	0.7374	9.86201	0.94181	1.27282	0.10653	0
Okt. 7.0	0.7647	9.87130	0.94458	1.26169	0.67605	1
16.9	0.7920	9.88117	0.95017	1.23684	0.90779	1
26.9	0.8193	9.89206	0.95775	1.19631	1.04949	−0.0001
Nov. 5.9	0.8466	9.90425	0.96661	1.13656	1.14635	1
15.8	0.8740	9.91778	0.97552	1.05104	1.21463	2
25.8	0.9013	9.93245	0.98331	0.92650	1.26209	2
Dez. 5.8	0.9286	9.94794	0.98909	0.72973	1.29261	2
15.8	0.9559	9.96374	0.99220	0.32552	1.30835	−0.0002
25.7	0.9832	9.97934	0.99229	0.08207$_n$	1.31023	3
35.7	1.0105	9.99423	0.98923	0.65292$_n$	1.29831	3

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1922		s		h m		h m		"
Jan. 0.5	−0.0004	+0.280	0.9886	5 16.7	1.3101	23 24.0	0.1421$_n$	−1.387
1.5	+0.0023	0.290	0.9889	5 15.2	1.3099	23 20.2	0.1847$_n$	1.530
2.5	0.0051	0.301	0.9892	5 13.7	1.3097	23 16.4	0.2232$_n$	1.672
3.5	0.0078	0.311	0.9895	5 12.1	1.3094	23 12.7	0.2584$_n$	1.813
4.5	0.0106	0.321	0.9899	5 10.6	1.3091	23 8.9	0.2909$_n$	1.954
5.5	0.0133	0.331	0.9902	5 9.0	1.3088	23 5.1	0.3210$_n$	2.094
6.5	0.0160	+0.341	0.9905	5 7.5	1.3085	23 1.3	0.3491$_n$	−2.234
7.5	0.0188	0.351	0.9907	5 6.0	1.3082	22 57.6	0.3753$_n$	2.373
8.5	0.0215	0.361	0.9910	5 4.4	1.3078	22 53.8	0.3998$_n$	2.511
9.5	0.0242	0.371	0.9913	5 2.9	1.3075	22 49.9	0.4229$_n$	2.648
10.5	0.0270	0.381	0.9915	5 1.4	1.3071	22 46.1	0.4448$_n$	2.785
11.5	0.0297	0.390	0.9918	4 59.9	1.3066	22 42.3	0.4655$_n$	2.921
12.5	0.0325	+0.400	0.9920	4 58.4	1.3062	22 38.5	0.4852$_n$	−3.056
13.5	0.0352	0.410	0.9922	4 57.0	1.3058	22 34.7	0.5038$_n$	3.190
14.5	0.0379	0.419	0.9924	4 55.5	1.3053	22 30.9	0.5214$_n$	3.322
15.5	0.0407	0.428	0.9926	4 54.0	1.3048	22 27.0	0.5383$_n$	3.454
16.5	0.0434	0.438	0.9928	4 52.5	1.3044	22 23.2	0.5545$_n$	3.585
17.5	0.0461	0.447	0.9930	4 51.1	1.3038	22 19.3	0.5698$_n$	3.714
18.5	0.0489	+0.456	0.9932	4 49.7	1.3033	22 15.4	0.5846$_n$	−3.842
19.5	0.0516	0.465	0.9933	4 48.3	1.3028	22 11.6	0.5987$_n$	3.969
20.5	0.0544	0.474	0.9935	4 46.9	1.3022	22 7.7	0.6123$_n$	4.095
21.5	0.0571	0.483	0.9937	4 45.5	1.3017	22 3.8	0.6252$_n$	4.219
22.5	0.0598	0.492	0.9938	4 44.1	1.3011	21 59.9	0.6378$_n$	4.343
23.5	0.0626	0.501	0.9940	4 42.7	1.3005	21 56.0	0.6497$_n$	4.464
24.5	0.0653	+0.510	0.9941	4 41.4	1.2999	21 52.0	0.6612$_n$	−4.584
25.5	0.0681	0.518	0.9942	4 40.0	1.2993	21 48.1	0.6724$_n$	4.703
26.5	0.0708	0.527	0.9944	4 38.6	1.2987	21 44.2	0.6830$_n$	4.820
27.5	0.0735	0.535	0.9945	4 37.3	1.2981	21 40.2	0.6934$_n$	4.936
28.5	0.0763	0.543	0.9946	4 36.0	1.2975	21 36.2	0.7033$_n$	5.050
29.5	0.0790	0.551	0.9948	4 34.7	1.2968	21 32.3	0.7128$_n$	5.162
30.5	0.0817	+0.559	0.9949	4 33.4	1.2962	21 28.3	0.7221$_n$	−5.273
31.5	0.0845	0.567	0.9950	4 32.1	1.2955	21 24.3	0.7310$_n$	5.383
Febr. 1.5	0.0872	0.575	0.9951	4 30.9	1.2949	21 20.3	0.7396$_n$	5.490
2.5	0.0900	0.583	0.9952	4 29.6	1.2942	21 16.3	0.7479$_n$	5.596
3.5	0.0927	0.591	0.9953	4 28.4	1.2936	21 12.2	0.7559$_n$	5.700
4.5	0.0954	0.598	0.9954	4 27.2	1.2929	21 8.2	0.7636$_n$	5.802
5.5	0.0982	+0.606	0.9955	4 26.0	1.2923	21 4.1	0.7710$_n$	
6.5	0.1009	0.613	0.9956	4 24.8	1.2916	21 0.1	0.7782$_n$	
7.5	0.1036	0.620	0.9958	4 23.6	1.2909	20 56.0	0.7850$_n$	
8.5	0.1064	0.628	0.9959	4 22.5	1.2903	20 51.9	0.7918$_n$	
9.5	0.1091	0.635	0.9960	4 21.3	1.2896	20 47.8	0.7982$_n$	
10.5	0.1119	0.642	0.9961	4 20.2	1.2890	20 43.7	0.8044$_n$	

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	Δψ	Δψ'	Wahre Schiefe	Δε	Δε'
1922	in 0.001 (s)	in 0.01 (″)				in 0.01 (″)	23° 26′		in 0.01 (″)
Jan. 0.5	+10	+ 7	0.2 (h)	−0.02 (″)	+4.60 (″)	+17	48.38 (″)	−9.57 (″)	0
1.5	+ 9	6	22.6	+0.12	4.63	+15	48.41	9.56	+ 2
2.5	+ 6	6	20.7	0.25	4.66	+10	48.44	9.56	+ 4
3.5	+ 2	6	18.7	0.39	4.69	+ 3	48.46	9.55	+ 6
4.5	− 3	7	17.6	0.53	4.72	− 4	48.47	9.54	+ 7
5.5	− 8	8	15.4	0.67	4.75	−12	48.47	9.53	+ 6
6.5	−12	+ 9	14.1	+0.81	+4.77	−19	48.46	−9.53	+ 5
7.5	−14	10	12.8	0.94	4.80	−24	48.45	9.52	+ 2
8.5	−15	10	11.6	1.08	4.82	−25	48.42	9.51	− 1
9.5	−13	10	10.2	1.22	4.85	−21	48.40	9.50	− 4
10.5	− 9	9	8.7	1.36	4.87	−15	48.39	9.49	− 7
11.5	− 3	8	7.0	1.49	4.89	− 5	48.39	9.48	− 8
12.5	+ 3	+ 7	4.9	+1.63	+4.91	+ 5	48.41	−9.46	− 7
13.5	+ 8	7	2.4	1.77	4.93	+14	48.44	9.45	− 4
14.5	+11	7	0.2	1.91	4.95	+18	48.49	9.44	0
15.5	+11	8	22.3	2.04	4.96	+18	48.54	9.43	+ 3
16.5	+ 9	8	20.7	2.18	4.98	+14	48.58	9.41	+ 6
17.5	+ 4	8	19.3	2.32	4.99	+ 7	48.61	9.40	+ 8
18.5	− 1	+ 7	17.7	+2.46	+5.00	− 1	48.62	−9.38	+ 7
19.5	− 5	6	15.9	2.59	5.02	− 8	48.61	9.37	+ 5
20.5	− 7	5	13.2	2.73	5.03	−11	48.59	9.35	+ 1
21.5	− 6	5	10.0	2.87	5.04	−10	48.56	9.34	− 2
22.5	− 3	6	7.6	3.01	5.04	− 6	48.55	9.32	− 5
23.5	0	7	5.9	3.14	5.05	0	48.55	9.31	− 7
24.5	+ 4	+ 8	4.5	+3.28	+5.05	+ 7	48.56	−9.29	− 7
25.5	+ 8	8	3.2	3.42	5.05	+13	48.59	9.27	− 6
26.5	+10	8	2.0	3.56	5.05	+17	48.63	9.26	− 4
27.5	+11	7	0.6	3.69	5.05	+18	48.67	9.24	− 1
28.5	+10	7	23.1	3.83	5.05	+16	48.71	9.22	+ 2
29.5	+ 7	6	21.3	3.97	5.05	+12	48.75	9.20	+ 4
30.5	+ 4	+ 6	19.5	+4.11	+5.04	+ 6	48.79	−9.19	+ 6
31.5	− 1	7	17.6	4.25	5.04	− 2	48.81	9.17	+ 7
Febr. 1.5	− 6	7	15.9	4.38	5.03	−10	48.83	9.15	+ 6
2.5	−10	8	14.5	4.52	5.02	−17	48.83	9.13	+ 5
3.5	−14	9	13.2	4.66	5.00	−23	48.83	9.11	+ 3
4.5	−15	10	11.9	4.80	4.99	−25	48.81	9.09	0
5.5	−15	+10	10.7	+4.93	+4.98	−24	48.80	−9.08	− 3
6.5	−11	9	9.4	5.07	4.96	−19	48.79	9.06	− 6
7.5	− 6	8	7.9	5.21	4.94	−10	48.79	9.04	− 7
8.5	0	7	6.1	5.35	4.92	0	48.81	9.02	− 7
9.5	+ 5	6	3.8	5.48	4.90	+ 9	48.85	9.00	− 5
10.5	+ 9	6	1.1	5.62	4.87	+15	48.90	8.99	− 2

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
1922							
Febr. 10.5	0.1119	+0.642 s	0.9961	4 h 20.2 m	1.2890	20 h 43.7 m	0.8044_n
11.5	0.1146	0.649	0.9963	4 19.1	1.2883	20 39.6	0.8104_n
12.5	0.1173	0.655	0.9964	4 18.0	1.2877	20 35.5	0.8162_n
13.5	0.1201	0.662	0.9966	4 16.9	1.2870	20 31.3	0.8218_n
14.5	0.1228	0.669	0.9967	4 15.8	1.2864	20 27.2	0.8271_n
15.5	0.1255	0.675	0.9969	4 14.8	1.2857	20 23.0	0.8323_n
16.5	0.1283	+0.681	0.9970	4 13.7	1.2851	20 18.9	0.8372_n
17.5	0.1310	0.688	0.9972	4 12.7	1.2845	20 14.7	0.8420_n
18.5	0.1338	0.694	0.9974	4 11.7	1.2839	20 10.5	0.8466_n
19.5	0.1365	0.700	0.9976	4 10.8	1.2833	20 6.3	0.8510_n
20.5	0.1392	0.706	0.9978	4 9.8	1.2827	20 2.1	0.8552_n
21.5	0.1420	0.712	0.9980	4 8.8	1.2822	19 57.9	0.8592_n
22.5	0.1447	+0.718	0.9982	4 7.9	1.2816	19 53.6	0.8631_n
23.5	0.1475	0.724	0.9985	4 7.0	1.2811	19 49.4	0.8668_n
24.5	0.1502	0.730	0.9987	4 6.1	1.2805	19 45.2	0.8703_n
25.5	0.1529	0.735	0.9990	4 5.2	1.2800	19 40.9	0.8737_n
26.5	0.1557	0.741	0.9993	4 4.3	1.2795	19 36.7	0.8769_n
27.5	0.1584	0.746	0.9996	4 3.4	1.2790	19 32.4	0.8800_n
28.5	0.1611	+0.752	0.9999	4 2.6	1.2786	19 28.1	0.8830_n
März 1.5	0.1639	0.757	1.0002	4 1.8	1.2781	19 23.8	0.8857_n
2.5	0.1666	0.762	1.0005	4 1.0	1.2777	19 19.5	0.8883_n
3.5	0.1694	0.768	1.0009	4 0.2	1.2773	19 15.3	0.8907_n
4.5	0.1721	0.773	1.0013	3 59.4	1.2769	19 11.0	0.8930_n
5.5	0.1748	0.778	1.0017	3 58.6	1.2765	19 6.6	0.8951_n
6.5	0.1776	+0.783	1.0022	3 57.9	1.2762	19 2.3	0.8971_n
7.5	0.1803	0.788	1.0026	3 57.1	1.2759	18 58.0	0.8990_n
8.5	0.1830	0.793	1.0031	3 56.4	1.2756	18 53.7	0.9007_n
9.5	0.1858	0.798	1.0036	3 55.7	1.2753	18 49.4	0.9023_n
10.5	0.1885	0.803	1.0041	3 55.0	1.2750	18 45.0	0.9038_n
11.5	0.1913	0.808	1.0046	3 54.3	1.2747	18 40.7	0.9051_n
12.5	0.1940	+0.813	1.0051	3 53.7	1.2745	18 36.4	0.9063_n
13.5	0.1967	0.818	1.0056	3 53.0	1.2743	18 32.1	0.9073_n
14.5	0.1995	0.823	1.0062	3 52.4	1.2742	18 27.7	0.9083_n
15.5	0.2022	0.827	1.0069	3 51.7	1.2740	18 23.4	0.9090_n
16.5	0.2049	0.832	1.0075	3 51.1	1.2739	18 19.1	0.9097_n
17.5	0.2077	0.837	1.0082	3 50.5	1.2738	18 14.7	0.9102_n
18.5	0.2104	+0.842	1.0089	3 49.9	1.2738	18 10.4	0.9106_n
19.5	0.2132	0.846	1.0096	3 49.3	1.2737	18 6.1	0.9108_n
20.5	0.2159	0.851	1.0103	3 48.8	1.2737	18 1.7	0.9109_n
21.5	0.2186	0.856	1.0111	3 48.2	1.2737	17 57.4	0.9109_n
22.5	0.2214	0.860	1.0119	3 47.7	1.2737	17 53.1	0.9107_n
23.5	0.2241	0.865	1.0127	3 47.1	1.2738	17 48.7	0.9105_n

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	$\varDelta\psi$	$\varDelta\psi'$	Wahre Schiefe	$\varDelta\varepsilon$	$\varDelta\varepsilon'$
1922	in 0.001 (s)	in 0.01 (")				in 0.01 (")	23° 26'		in 0.01 (")
Febr. 10.5	+ 9	+ 6	1.1 h	+ 5.62"	+4.87"	+15	48.90"	−8.99"	− 2
11.5	+10	7	22.9	5.76	4.85	+17	48.95	8.97	+ 2
12.5	+ 9	8	21.1	5.90	4.82	+14	49.00	8.95	+ 5
13.5	+ 5	8	19.6	6.03	4.79	+ 8	49.04	8.93	+ 7
14.5	+ 1	7	18.2	6.17	4.76	+ 1	49.05	8.92	+ 7
15.5	− 3	6	16.6	6.31	4.73	− 6	49.05	8.90	+ 6
16.5	− 6	+ 5	14.3	+ 6.45	+4.70	−10	49.04	−8.88	+ 3
17.5	− 6	4	11.0	6.58	4.66	−10	49.02	8.87	− 1
18.5	− 4	5	8.0	6.72	4.63	− 6	49.00	8.85	− 4
19.5	0	6	6.1	6.86	4.59	0	48.99	8.84	− 6
20.5	+ 4	8	4.7	7.00	4.55	+ 6	49.00	8.82	− 7
21.5	+ 8	8	3.4	7.14	4.51	+13	49.02	8.81	− 6
22.5	+11	+ 8	2.2	+ 7.27	+4.47	+18	49.05	−8.79	− 5
23.5	+12	8	0.9	7.41	4.43	+19	49.09	8.78	− 2
24.5	+11	7	23.6	7.55	4.38	+18	49.13	8.76	+ 1
25.5	+ 9	7	22.0	7.69	4.34	+15	49.17	8.75	+ 3
26.5	+ 5	6	20.3	7.82	4.29	+ 9	49.20	8.74	+ 5
27.5	+ 1	6	18.4	7.96	4.25	+ 2	49.22	8.73	+ 6
28.5	− 4	+ 7	16.6	+ 8.10	+4.20	− 6	49.23	−8.71	+ 7
März 1.5	− 8	8	15.0	8.24	4.15	−14	49.23	8.70	+ 6
2.5	−12	9	13.7	8.37	4.10	−20	49.22	8.69	+ 4
3.5	−15	10	12.4	8.51	4.04	−24	49.20	8.68	+ 1
4.5	−15	10	11.1	8.65	3.99	−24	49.18	8.67	− 2
5.5	−13	10	9.8	8.79	3.94	−21	49.16	8.66	− 5
6.5	− 8	+ 9	8.4	+ 8.92	+3.88	−13	49.14	−8.66	− 7
7.5	− 3	8	6.9	9.06	3.83	− 4	49.15	8.65	− 7
8.5	+ 3	6	4.9	9.20	3.77	+ 5	49.17	8.64	− 6
9.5	+ 7	6	2.2	9.34	3.72	+12	49.20	8.63	− 3
10.5	+ 9	6	23.5	9.47	3.66	+15	49.24	8.63	+ 1
11.5	+ 8	7	21.4	9.61	3.60	+14	49.28	8.62	+ 4
12.5	+ 5	+ 8	19.8	+ 9.75	+3.54	+ 9	49.31	−8.62	+ 7
13.5	+ 1	8	18.3	9.89	3.48	+ 2	49.32	8.62	+ 8
14.5	− 3	7	16.9	10.02	3.43	− 5	49.31	8.61	+ 7
15.5	− 6	5	15.0	10.16	3.37	−10	49.29	8.61	+ 4
16.5	− 7	4	12.2	10.30	3.31	−11	49.25	8.61	0
17.5	− 5	5	9.0	10.44	3.25	− 8	49.22	8.61	− 3
18.5	− 2	+ 6	6.6	+10.58	+3.19	− 2	49.19	−8.61	− 6
19.5	+ 3	7	5.1	10.71	3.13	+ 5	49.18	8.61	− 7
20.5	+ 7	8	3.7	10.85	3.07	+12	49.18	8.61	− 7
21.5	+11	9	2.5	10.99	3.01	+17	49.19	8.61	− 5
22.5	+12	9	1.3	11.13	2.95	+20	49.21	8.61	− 3
23.5	+12	8	0.1	11.26	2.89	+20	49.23	8.61	0

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
1922							
März 23.5	0.2241	+0.865 s	1.0127	3h 47.1m	1.2738	17h 48.7m	0.9105_n
24.5	0.2269	0.870	1.0135	3 46.6	1.2738	17 44.4	0.9101_n
25.5	0.2296	0.875	1.0144	3 46.1	1.2739	17 40.1	0.9096_n
26.5	0.2323	0.879	1.0153	3 45.5	1.2741	17 35.8	0.9089_n
27.5	0.2351	0.884	1.0162	3 45.0	1.2742	17 31.5	0.9081_n
28.5	0.2378	0.889	1.0171	3 44.5	1.2744	17 27.2	0.9071_n
29.5	0.2405	+0.894	1.0181	3 44.0	1.2746	17 22.9	0.9061_n
30.5	0.2433	0.899	1.0191	3 43.5	1.2748	17 18.6	0.9049_n
31.5	0.2460	0.904	1.0201	3 43.1	1.2750	17 14.3	0.9036_n
April 1.5	0.2488	0.908	1.0211	3 42.6	1.2753	17 10.1	0.9022_n
2.5	0.2515	0.913	1.0222	3 42.1	1.2756	17 5.8	0.9005_n
3.5	0.2542	0.918	1.0233	3 41.7	1.2759	17 1.6	0.8988_n
4.5	0.2570	+0.923	1.0244	3 41.2	1.2762	16 57.3	0.8970_n
5.5	0.2597	0.928	1.0255	3 40.8	1.2765	16 53.1	0.8950_n
6.5	0.2624	0.934	1.0267	3 40.3	1.2769	16 48.8	0.8929_n
7.5	0.2652	0.939	1.0279	3 39.9	1.2773	16 44.6	0.8906_n
8.5	0.2679	0.944	1.0291	3 39.4	1.2777	16 40.4	0.8882_n
9.5	0.2707	0.949	1.0304	3 39.0	1.2781	16 36.2	0.8856_n
10.5	0.2734	+0.955	1.0316	3 38.5	1.2786	16 32.0	0.8830_n
11.5	0.2761	0.960	1.0329	3 38.1	1.2790	16 27.8	0.8801_n
12.5	0.2789	0.966	1.0342	3 37.7	1.2795	16 23.7	0.8771_n
13.5	0.2816	0.971	1.0355	3 37.2	1.2800	16 19.5	0.8741_n
14.5	0.2843	0.977	1.0369	3 36.8	1.2805	16 15.4	0.8708_n
15.5	0.2871	0.982	1.0383	3 36.3	1.2810	16 11.3	0.8674_n
16.5	0.2898	+0.988	1.0397	3 35.9	1.2815	16 7.1	0.8639_n
17.5	0.2926	0.994	1.0411	3 35.5	1.2820	16 3.0	0.8601_n
18.5	0.2953	1.000	1.0425	3 35.0	1.2826	15 58.9	0.8562_n
19.5	0.2980	1.006	1.0440	3 34.6	1.2832	15 54.9	0.8522_n
20.5	0.3008	1.012	1.0454	3 34.2	1.2837	15 50.8	0.8479_n
21.5	0.3035	1.018	1.0469	3 33.7	1.2843	15 46.7	0.8435_n
22.5	0.3063	+1.024	1.0484	3 33.3	1.2849	15 42.7	0.8390_n
23.5	0.3090	1.030	1.0499	3 32.8	1.2855	15 38.7	0.8344_n
24.5	0.3117	1.036	1.0514	3 32.4	1.2861	15 34.7	0.8294_n
25.5	0.3145	1.043	1.0530	3 31.9	1.2867	15 30.7	0.8244_n
26.5	0.3172	1.050	1.0546	3 31.5	1.2873	15 26.7	0.8191_n
27.5	0.3199	1.056	1.0561	3 31.0	1.2879	15 22.7	0.8136_n
28.5	0.3227	+1.063	1.0577	3 30.6	1.2886	15 18.8	0.8080_n
29.5	0.3254	1.070	1.0593	3 30.1	1.2892	15 14.8	0.8022_n
30.5	0.3282	1.076	1.0609	3 29.6	1.2898	15 10.8	0.7962_n
Mai 1.5	0.3309	1.083	1.0625	3 29.2	1.2905	15 6.9	0.7899_n
2.5	0.3336	1.090	1.0642	3 28.7	1.2911	15 3.0	0.7835_n
3.5	0.3364	1.097	1.0658	3 28.2	1.2917	14 59.1	0.7768_n

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1922	s in 0.001	" in 0.01				" in 0.01	23° 26'		" in 0.01
März 23.5	+12	+ 8	h 0.1	+11.″26	+2.″89	+20	″ 49.23	−8.″61	0
24.5	+10	7	22.6	11.40	2.83	+17	49.25	8.62	+ 3
25.5	+ 7	7	21.0	11.54	2.77	+12	49.27	8.62	+ 5
26.5	+ 3	6	19.2	11.68	2.71	+ 5	49.28	8.63	+ 6
27.5	− 2	7	17.4	11.81	2.65	− 2	49.28	8.63	+ 7
28.5	− 6	7	15.7	11.95	2.59	−10	49.27	8.64	+ 6
29.5	−10	+ 8	14.2	+12.09	+2.53	−17	49.24	−8.64	+ 4
30.5	−13	9	12.8	12.23	2.47	−22	49.21	8.65	+ 2
31.5	−14	9	11.4	12.36	2.41	−23	49.17	8.66	− 1
April 1.5	−13	9	10.2	12.50	2.36	−21	49.13	8.67	− 4
2.5	− 9	9	8.8	12.64	2.30	−15	49.09	8.68	− 7
3.5	− 4	8	7.4	12.78	2.24	− 7	49.07	8.69	− 7
4.5	+ 1	+ 7	5.6	+12.91	+2.19	+ 2	49.07	−8.70	− 7
5.5	+ 6	6	3.2	13.05	2.13	+ 9	49.08	8.71	− 4
6.5	+ 8	5	0.4	13.19	2.08	+13	49.10	8.72	− 1
7.5	+ 8	6	21.9	13.33	2.03	+13	49.13	8.73	+ 3
8.5	+ 6	7	20.1	13.46	1.97	+ 9	49.15	8.74	+ 6
9.5	+ 1	8	18.4	13.60	1.92	+ 2	49.15	8.76	+ 8
10.5	− 3	+ 7	17.0	+13.74	+1.87	− 5	49.13	−8.77	+ 7
11.5	− 6	6	15.3	13.88	1.82	−11	49.09	8.78	+ 5
12.5	− 8	5	13.2	14.02	1.77	−13	49.04	8.80	+ 2
13.5	− 7	5	10.3	14.15	1.73	−11	48.99	8.81	− 2
14.5	− 4	6	7.6	14.29	1.68	− 6	48.94	8.83	− 5
15.5	+ 1	7	5.7	14.43	1.64	+ 1	48.91	8.84	− 7
16.5	+ 6	+ 8	4.2	+14.57	+1.59	+ 9	48.89	−8.86	− 7
17.5	+10	9	2.9	14.70	1.55	+16	48.88	8.88	− 6
18.5	+12	9	1.7	14.84	1.51	+20	48.88	8.89	− 4
19.5	+13	8	0.5	14.98	1.47	+21	48.89	8.91	− 1
20.5	+12	8	23.1	15.12	1.43	+19	48.90	8.93	+ 2
21.5	+ 9	7	21.7	15.25	1.39	+14	48.90	8.95	+ 4
22.5	+ 5	+ 6	19.9	+15.39	+1.35	+ 8	48.90	−8.96	+ 6
23.5	0	6	18.1	15.53	1.32	+ 1	48.89	8.98	+ 6
24.5	− 4	7	16.4	15.67	1.28	− 7	48.87	9.00	+ 6
25.5	− 9	8	14.8	15.80	1.25	−14	48.84	9.02	+ 5
26.5	−12	8	13.3	15.94	1.22	−19	48.79	9.04	+ 3
27.5	−13	9	11.9	16.08	1.19	−22	48.74	9.06	0
28.5	−13	+ 9	10.5	+16.22	+1.16	−21	48.69	−9.08	− 3
29.5	−10	9	9.1	16.35	1.14	−16	48.65	9.10	− 6
30.5	− 5	8	7.6	16.49	1.11	− 8	48.61	9.12	− 7
Mai 1.5	0	7	6.0	16.63	1.09	0	48.59	9.14	− 7
2.5	+ 5	6	3.9	16.77	1.06	+ 8	48.59	9.16	− 5
3.5	+ 8	6	1.3	16.91	1.04	+13	48.60	9.18	− 2

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1922		s		h m		h m		"
Mai 3.5	0.3364	+1.097	1.0658	3 28.2	1.2917	14 59.1	0.7768$_n$	
4.5	0.3391	1.105	1.0675	3 27.7	1.2924	14 55.2	0.7699$_n$	
5.5	0.3418	1.112	1.0692	3 27.2	1.2930	14 51.4	0.7628$_n$	
6.5	0.3446	1.119	1.0709	3 26.7	1.2936	14 47.5	0.7553$_n$	
7.5	0.3473	1.127	1.0725	3 26.2	1.2943	14 43.7	0.7477$_n$	
8.5	0.3501	1.134	1.0742	3 25.7	1.2949	14 39.8	0.7398$_n$	
9.5	0.3528	+1.142	1.0759	3 25.2	1.2955	14 36.0	0.7317$_n$	−5.391
10.5	0.3555	1.150	1.0776	3 24.7	1.2961	14 32.2	0.7232$_n$	5.287
11.5	0.3583	1.157	1.0793	3 24.1	1.2967	14 28.4	0.7145$_n$	5.182
12.5	0.3610	1.165	1.0810	3 23.6	1.2973	14 24.6	0.7054$_n$	5.075
13.5	0.3637	1.173	1.0828	3 23.1	1.2979	14 20.9	0.6961$_n$	4.967
14.5	0.3665	1.181	1.0845	3 22.5	1.2985	14 17.1	0.6865$_n$	4.858
15.5	0.3692	+1.189	1.0862	3 22.0	1.2991	14 13.4	0.6765$_n$	−4.748
16.5	0.3720	1.198	1.0879	3 21.4	1.2997	14 9.6	0.6661$_n$	4.636
17.5	0.3747	1.206	1.0897	3 20.9	1.3002	14 5.9	0.6553$_n$	4.522
18.5	0.3774	1.214	1.0914	3 20.3	1.3008	14 2.2	0.6441$_n$	4.407
19.5	0.3802	1.223	1.0931	3 19.7	1.3013	13 58.5	0.6327$_n$	4.292
20.5	0.3829	1.231	1.0948	3 19.2	1.3019	13 54.8	0.6208$_n$	4.176
21.5	0.3857	+1.240	1.0965	3 18.6	1.3024	13 51.1	0.6082$_n$	−4.057
22.5	0.3884	1.249	1.0983	3 18.0	1.3029	13 47.5	0.5953$_n$	3.938
23.5	0.3911	1.257	1.1000	3 17.4	1.3034	13 43.8	0.5818$_n$	3.818
24.5	0.3939	1.266	1.1017	3 16.8	1.3039	13 40.2	0.5678$_n$	3.697
25.5	0.3966	1.275	1.1034	3 16.2	1.3044	13 36.5	0.5532$_n$	3.574
26.5	0.3993	1.284	1.1050	3 15.5	1.3048	13 32.9	0.5381$_n$	3.452
27.5	0.4021	+1.293	1.1067	3 14.9	1.3053	13 29.3	0.5222$_n$	−3.328
28.5	0.4048	1.302	1.1084	3 14.3	1.3057	13 25.7	0.5056$_n$	3.203
29.5	0.4076	1.311	1.1101	3 13.7	1.3062	13 22.1	0.4881$_n$	3.077
30.5	0.4103	1.320	1.1118	3 13.0	1.3066	13 18.5	0.4698$_n$	2.950
31.5	0.4130	1.330	1.1135	3 12.4	1.3069	13 14.9	0.4507$_n$	2.823
Juni 1.5	0.4158	1.339	1.1151	3 11.8	1.3073	13 11.3	0.4304$_n$	2.694
2.5	0.4185	+1.348	1.1168	3 11.1	1.3077	13 7.7	0.4091$_n$	−2.565
3.5	0.4212	1.358	1.1185	3 10.5	1.3080	13 4.2	0.3867$_n$	2.436
4.5	0.4240	1.367	1.1201	3 9.8	1.3083	13 0.6	0.3629$_n$	2.306
5.5	0.4267	1.377	1.1217	3 9.1	1.3087	12 57.0	0.3377$_n$	2.176
6.5	0.4295	1.386	1.1234	3 8.5	1.3089	12 53.5	0.3105$_n$	2.044
7.5	0.4322	1.396	1.1250	3 7.8	1.3092	12 50.0	0.2815$_n$	1.912
8.5	0.4349	+1.405	1.1266	3 7.1	1.3095	12 46.4	0.2504$_n$	−1.780
9.5	0.4377	1.415	1.1281	3 6.4	1.3097	12 42.9	0.2167$_n$	1.647
10.5	0.4404	1.425	1.1297	3 5.7	1.3099	12 39.4	0.1798$_n$	1.513
11.5	0.4431	1.434	1.1313	3 5.0	1.3101	12 35.8	0.1399$_n$	1.380
12.5	0.4459	1.444	1.1329	3 4.3	1.3103	12 32.3	0.0955$_n$	1.246
13.5	0.4486	1.454	1.1345	3 3.6	1.3105	12 28.8	0.0457$_n$	1.111

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1922	in 0.001 s	in 0.01″	h	″	″	in 0.01″	23° 26′ ″	″	in 0.01″
Mai 3.5	+ 8	+ 6	1.3	+16.91	+1.04	+13	48.60	−9.18	− 2
4.5	+ 9	6	22.8	17.04	1.02	+14	48.62	9.20	+ 2
5.5	+ 7	7	20.8	17.18	1.00	+11	48.63	9.22	+ 5
6.5	+ 3	8	18.9	17.32	0.99	+ 4	48.63	9.24	+ 7
7.5	− 2	8	17.3	17.46	0.97	− 3	48.61	9.25	+ 8
8.5	− 6	7	15.7	17.59	0.96	−10	48.57	9.27	+ 6
9.5	− 8	+ 6	13.9	+17.73	+0.94	−14	48.52	−9.29	+ 3
10.5	− 8	6	11.4	17.87	0.93	−14	48.46	9.31	− 1
11.5	− 6	6	8.8	18.01	0.92	−10	48.41	9.33	− 4
12.5	− 2	7	6.6	18.14	0.91	− 2	48.37	9.35	− 6
13.5	+ 3	8	5.0	18.28	0.91	+ 5	48.34	9.37	− 7
14.5	+ 8	8	3.4	18.42	0.90	+13	48.33	9.39	− 6
15.5	+11	+ 9	2.2	+18.56	+0.90	+18	48.32	−9.41	− 5
16.5	+13	8	0.9	18.69	0.89	+20	48.33	9.43	− 2
17.5	+12	8	23.6	18.83	0.89	+20	48.34	9.45	+ 1
18.5	+10	7	22.2	18.97	0.89	+16	48.34	9.46	+ 3
19.5	+ 6	7	20.5	19.11	0.89	+10	48.35	9.48	+ 5
20.5	+ 2	6	18.6	19.24	0.89	+ 3	48.34	9.50	+ 6
21.5	− 3	+ 7	16.9	+19.38	+0.90	− 5	48.32	−9.52	+ 6
22.5	− 7	7	15.3	19.52	0.90	−12	48.29	9.53	+ 5
23.5	−11	8	13.7	19.66	0.91	−18	48.26	9.55	+ 3
24.5	−13	8	12.4	19.79	0.91	−21	48.21	9.57	+ 1
25.5	−13	9	11.0	19.93	0.92	−21	48.16	9.58	− 2
26.5	−11	9	9.6	20.07	0.93	−17	48.12	9.60	− 5
27.5	− 6	+ 8	8.0	+20.21	+0.94	−10	48.09	−9.61	− 7
28.5	− 1	7	6.4	20.35	0.95	− 2	48.07	9.62	− 7
29.5	+ 4	6	4.4	20.48	0.96	+ 7	48.07	9.64	− 6
30.5	+ 8	6	2.0	20.62	0.97	+13	48.08	9.65	− 3
31.5	+10	6	23.6	20.76	0.99	+16	48.10	9.67	+ 1
Juni 1.5	+ 9	7	21.5	20.90	1.00	+14	48.12	9.68	+ 4
2.5	+ 5	+ 8	19.7	+21.03	+1.02	+ 8	48.13	−9.69	+ 7
3.5	0	8	18.0	21.17	1.03	0	48.13	9.70	+ 8
4.5	− 5	7	16.4	21.31	1.05	− 7	48.11	9.71	+ 7
5.5	− 8	7	14.5	21.45	1.07	−13	48.07	9.72	+ 4
6.5	− 9	6	12.3	21.58	1.09	−15	48.02	9.73	0
7.5	− 7	6	9.8	21.72	1.11	−12	47.98	9.74	− 3
8.5	− 4	+ 7	7.4	+21.86	+1.13	− 6	47.94	−9.75	− 6
9.5	+ 1	7	5.6	22.00	1.15	+ 2	47.92	9.76	− 7
10.5	+ 6	8	4.1	22.13	1.17	+10	47.91	9.77	− 7
11.5	+10	8	2.7	22.27	1.19	+16	47.92	9.77	− 5
12.5	+12	8	1.4	22.41	1.21	+20	47.93	9.78	− 3
13.5	+12	8	0.1	22.55	1.23	+20	47.95	9.79	0

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1922		s		h m		h m		″
Juni 13.5	0.4486	+1.454	1.1345	3 3.6	1.3105	12 28.8	0.0457_n	−1.111
14.5	0.4514	1.464	1.1360	3 2.9	1.3106	12 25.3	9.9894_n	0.976
15.5	0.4541	1.474	1.1375	3 2.2	1.3107	12 21.8	9.9248_n	0.841
16.5	0.4568	1.483	1.1390	3 1.5	1.3108	12 18.3	9.8488_n	0.706
17.5	0.4596	1.493	1.1405	3 0.8	1.3109	12 14.8	9.7566_n	0.571
18.5	0.4623	1.503	1.1420	3 0.1	1.3110	12 11.2	9.6395_n	0.436
19.5	0.4650	+1.513	1.1435	2 59.4	1.3111	12 7.7	9.4771_n	−0.300
20.5	0.4678	1.523	1.1449	2 58.6	1.3111	12 4.2	9.2148_n	0.164
21.5	0.4705	1.533	1.1463	2 57.9	1.3111	12 0.7	8.4624_n	−0.029
22.5	0.4733	1.543	1.1478	2 57.2	1.3111	11 57.2	9.0294	+0.107
23.5	0.4760	1.552	1.1493	2 56.4	1.3111	11 53.7	9.3856	0.243
24.5	0.4787	1.562	1.1507	2 55.7	1.3110	11 50.2	9.5775	0.378
25.5	0.4815	+1.572	1.1520	2 55.0	1.3110	11 46.7	9.7101	+0.513
26.5	0.4842	1.582	1.1534	2 54.2	1.3109	11 43.2	9.8116	0.648
27.5	0.4870	1.592	1.1548	2 53.5	1.3108	11 39.7	9.8938	0.783
28.5	0.4897	1.602	1.1562	2 52.8	1.3107	11 36.2	9.9628	0.918
29.5	0.4924	1.611	1.1575	2 52.0	1.3105	11 32.7	0.0224	1.053
30.5	0.4952	1.621	1.1588	2 51.3	1.3104	11 29.2	0.0745	1.187
Juli 1.5	0.4979	+1.631	1.1601	2 50.5	1.3102	11 25.7	0.1209	+1.321
2.5	0.5006	1.640	1.1614	2 49.8	1.3100	11 22.2	0.1626	1.454
3.5	0.5034	1.650	1.1626	2 49.0	1.3098	11 18.7	0.2006	1.587
4.5	0.5061	1.660	1.1639	2 48.3	1.3096	11 15.1	0.2355	1.720
5.5	0.5089	1.669	1.1651	2 47.6	1.3093	11 11.6	0.2676	1.852
6.5	0.5116	1.679	1.1664	2 46.8	1.3091	11 8.1	0.2975	1.984
7.5	0.5143	+1.688	1.1676	2 46.1	1.3088	11 4.6	0.3253	+2.115
8.5	0.5171	1.698	1.1688	2 45.4	1.3085	11 1.0	0.3514	2.246
9.5	0.5198	1.707	1.1700	2 44.6	1.3082	10 57.5	0.3758	2.376
10.5	0.5225	1.717	1.1711	2 43.9	1.3078	10 53.9	0.3990	2.506
11.5	0.5253	1.726	1.1723	2 43.1	1.3075	10 50.4	0.4206	2.634
12.5	0.5280	1.735	1.1734	2 42.4	1.3071	10 46.8	0.4412	2.762
13.5	0.5308	+1.744	1.1746	2 41.7	1.3067	10 43.2	0.4607	+2.889
14.5	0.5335	1.754	1.1757	2 40.9	1.3063	10 39.7	0.4793	3.015
15.5	0.5362	1.763	1.1767	2 40.2	1.3059	10 36.1	0.4971	3.141
16.5	0.5390	1.772	1.1778	2 39.5	1.3055	10 32.5	0.5139	3.265
17.5	0.5417	1.781	1.1789	2 38.8	1.3051	10 28.9	0.5301	3.389
18.5	0.5444	1.790	1.1799	2 38.1	1.3046	10 25.3	0.5454	3.511
19.5	0.5472	+1.799	1.1809	2 37.3	1.3042	10 21.7	0.5603	+3.633
20.5	0.5499	1.808	1.1819	2 36.6	1.3037	10 18.1	0.5746	3.755
21.5	0.5527	1.816	1.1829	2 35.9	1.3032	10 14.4	0.5883	3.875
22.5	0.5554	1.825	1.1839	2 35.2	1.3027	10 10.8	0.6014	3.994
23.5	0.5581	1.834	1.1849	2 34.5	1.3022	10 7.2	0.6141	4.112
24.5	0.5609	1.842	1.1858	2 33.8	1.3016	10 3.5	0.6262	4.229

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	Δψ	Δψ'	Wahre Schiefe	Δε	Δε'
1922	in 0.001	in 0.01				in 0.01	23° 26'		in 0.01
Juni 13.5	+12	+ 8	0.1	+22.55	+1.23	+20	47.95	−9.79	0
14.5	+10	7	22.6	22.68	1.25	+17	47.97	9.79	+ 3
15.5	+ 7	7	21.0	22.82	1.28	+12	47.99	9.80	+ 5
16.5	+ 3	7	19.2	22.96	1.30	+ 5	48.00	9.80	+ 6
17.5	− 2	7	17.4	23.10	1.32	− 3	48.00	9.81	+ 6
18.5	− 6	7	15.7	23.24	1.35	−10	47.99	9.81	+ 6
19.5	−10	+ 8	14.1	+23.37	+1.37	−17	47.97	−9.81	+ 4
20.5	−13	9	12.8	23.51	1.39	−21	47.94	9.81	+ 2
21.5	−14	9	11.4	23.65	1.42	−22	47.91	9.81	− 1
22.5	−12	9	10.1	23.79	1.44	−19	47.88	9.81	− 4
23.5	− 8	8	8.7	23.92	1.46	−14	47.85	9.81	− 6
24.5	− 3	8	7.0	24.06	1.49	− 5	47.84	9.81	− 7
25.5	+ 3	+ 7	5.0	+24.20	+1.51	+ 4	47.85	−9.81	− 7
26.5	+ 7	6	2.8	24.34	1.54	+12	47.87	9.81	− 4
27.5	+10	7	0.2	24.47	1.56	+16	47.91	9.81	− 1
28.5	+10	7	22.3	24.61	1.58	+16	47.95	9.81	+ 3
29.5	+ 7	8	20.5	24.75	1.60	+12	47.98	9.80	+ 6
30.5	+ 3	8	18.9	24.89	1.63	+ 5	48.00	9.80	+ 8
Juli 1.5	− 2	+ 7	17.3	+25.02	+1.65	− 3	48.00	−9.79	+ 7
2.5	− 6	7	15.5	25.16	1.67	−10	47.98	9.79	+ 5
3.5	− 8	6	13.1	25.30	1.69	−14	47.95	9.78	+ 2
4.5	− 8	6	10.5	25.44	1.71	−13	47.92	9.77	− 2
5.5	− 5	6	8.1	25.57	1.73	− 8	47.90	9.77	− 5
6.5	0	7	6.2	25.71	1.75	− 1	47.88	9.76	− 7
7.5	+ 4	+ 8	4.6	+25.85	+1.76	+ 7	47.89	−9.75	− 7
8.5	+ 9	8	3.2	25.99	1.78	+14	47.91	9.74	− 6
9.5	+11	8	1.8	26.12	1.80	+18	47.94	9.73	− 4
10.5	+12	8	0.4	26.26	1.81	+20	47.98	9.72	− 1
11.5	+11	7	23.0	26.40	1.83	+18	48.01	9.71	+ 2
12.5	+ 8	7	21.4	26.54	1.84	+13	48.05	9.70	+ 4
13.5	+ 4	+ 6	19.7	+26.68	+1.86	+ 7	48.07	−9.69	+ 6
14.5	0	6	17.8	26.81	1.87	− 1	48.08	9.68	+ 6
15.5	− 5	7	16.1	26.95	1.88	− 8	48.09	9.67	+ 6
16.5	− 9	8	14.5	27.09	1.89	−15	48.09	9.65	+ 5
17.5	−13	9	13.2	27.23	1.90	−21	48.08	9.64	+ 3
18.5	−14	9	11.9	27.36	1.91	−23	48.07	9.63	0
19.5	−13	+ 9	10.6	+27.50	+1.92	−22	48.05	−9.61	− 3
20.5	−10	9	9.3	27.64	1.93	−17	48.04	9.60	− 6
21.5	− 6	8	7.8	27.78	1.93	− 9	48.04	9.58	− 7
22.5	0	7	6.0	27.91	1.93	0	48.05	9.57	− 7
23.5	+ 5	6	3.8	28.05	1.94	+ 8	48.09	9.55	− 5
24.5	+ 9	6	1.3	28.19	1.94	+15	48.13	9.54	− 2

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1922								
Juli 24.5	0.5609	+1.842 s	1.1858	2 h 33.8 m	1.3016	10 h 3.5 m	0.6262	+4.229 ″
25.5	0.5636	1.850	1.1868	2 33.1	1.3011	9 59.8	0.6379	4.344
26.5	0.5664	1.859	1.1877	2 32.4	1.3006	9 56.1	0.6491	4.458
27.5	0.5691	1.867	1.1886	2 31.7	1.3000	9 52.5	0.6600	4.571
28.5	0.5718	1.875	1.1895	2 31.0	1.2994	9 48.8	0.6705	4.683
29.5	0.5746	1.883	1.1904	2 30.3	1.2989	9 45.1	0.6807	4.794
30.5	0.5773	+1.891	1.1913	2 29.7	1.2983	9 41.3	0.6905	+4.903
31.5	0.5800	1.899	1.1922	2 29.0	1.2977	9 37.6	0.6999	5.011
Aug. 1.5	0.5828	1.907	1.1930	2 28.4	1.2971	9 33.9	0.7090	5.117
2.5	0.5855	1.915	1.1938	2 27.7	1.2965	9 30.1	0.7178	5.222
3.5	0.5883	1.923	1.1947	2 27.0	1.2959	9 26.4	0.7264	5.326
4.5	0.5910	1.931	1.1955	2 26.4	1.2953	9 22.6	0.7347	5.429
5.5	0.5937	+1.938	1.1963	2 25.8	1.2947	9 18.8	0.7426	
6.5	0.5965	1.946	1.1971	2 25.1	1.2940	9 15.0	0.7504	
7.5	0.5992	1.953	1.1979	2 24.5	1.2934	9 11.2	0.7579	
8.5	0.6019	1.960	1.1986	2 23.9	1.2928	9 7.4	0.7651	
9.5	0.6047	1.967	1.1994	2 23.3	1.2922	9 3.5	0.7721	
10.5	0.6074	1.975	1.2001	2 22.7	1.2915	8 59.7	0.7789	
11.5	0.6102	+1.982	1.2009	2 22.1	1.2909	8 55.8	0.7854	
12.5	0.6129	1.989	1.2016	2 21.5	1.2903	8 52.0	0.7917	
13.5	0.6156	1.995	1.2023	2 20.9	1.2897	8 48.1	0.7979	
14.5	0.6184	2.002	1.2030	2 20.3	1.2890	8 44.2	0.8038	
15.5	0.6211	2.009	1.2037	2 19.7	1.2884	8 40.3	0.8095	
16.5	0.6238	2.016	1.2044	2 19.2	1.2878	8 36.3	0.8150	
17.5	0.6266	+2.022	1.2051	2 18.6	1.2872	8 32.4	0.8203	
18.5	0.6293	2.029	1.2057	2 18.1	1.2866	8 28.5	0.8255	
19.5	0.6321	2.035	1.2064	2 17.5	1.2860	8 24.5	0.8305	
20.5	0.6348	2.041	1.2071	2 17.0	1.2854	8 20.5	0.8352	
21.5	0.6375	2.047	1.2077	2 16.5	1.2848	8 16.5	0.8399	
22.5	0.6403	2.054	1.2084	2 16.0	1.2842	8 12.5	0.8444	
23.5	0.6430	+2.060	1.2090	2 15.5	1.2836	8 8.5	0.8486	
24.5	0.6458	2.066	1.2096	2 15.0	1.2831	8 4.5	0.8528	
25.5	0.6485	2.071	1.2103	2 14.5	1.2825	8 0.5	0.8568	
26.5	0.6512	2.077	1.2109	2 14.0	1.2820	7 56.4	0.8606	
27.5	0.6540	2.083	1.2115	2 13.6	1.2814	7 52.4	0.8642	
28.5	0.6567	2.089	1.2122	2 13.1	1.2809	7 48.3	0.8678	
29.5	0.6594	+2.094	1.2128	2 12.7	1.2804	7 44.2	0.8711	
30.5	0.6622	2.100	1.2134	2 12.2	1.2799	7 40.1	0.8743	
31.5	0.6649	2.106	1.2140	2 11.8	1.2794	7 36.0	0.8774	
Sept. 1.5	0.6677	2.111	1.2146	2 11.4	1.2790	7 31.9	0.8804	
2.5	0.6704	2.116	1.2152	2 11.0	1.2785	7 27.8	0.8831	
3.5	0.6731	2.122	1.2158	2 10.6	1.2781	7 23.7	0.8857	

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1922	in 0.001 (s)	in 0.01 (")	(h)	(")	(")	in 0.01 (")	23° 26' (")	(")	in 0.01 (")
Juli 24.5	+ 9	+ 6	1.3	+28.19	+1.94	+15	48.13	−9.54	− 2
25.5	+10	7	23.0	28.33	1.94	+16	48.18	9.52	+ 2
26.5	+ 9	8	21.2	28.47	1.94	+14	48.23	9.51	+ 5
27.5	+ 5	8	19.6	28.60	1.94	+ 8	48.27	9.49	+ 7
28.5	0	8	18.0	28.74	1.93	0	48.29	9.47	+ 8
29.5	− 4	7	16.4	28.88	1.93	− 7	48.29	9.46	+ 6
30.5	− 7	+ 5	14.3	+29.01	+1.92	−11	48.27	−9.44	+ 3
31.5	− 7	5	11.4	29.15	1.92	−12	48.25	9.42	− 1
Aug. 1.5	− 5	5	8.6	29.29	1.91	− 9	48.23	9.41	− 4
2.5	− 1	7	6.5	29.43	1.90	− 2	48.23	9.39	− 6
3.5	+ 3	8	4.9	29.57	1.89	+ 5	48.24	9.37	− 7
4.5	+ 8	8	3.5	29.70	1.87	+13	48.26	9.35	− 6
5.5	+11	+ 8	2.1	+29.84	+1.86	+18	48.30	−9.33	− 4
6.5	+12	8	0.8	29.98	1.84	+20	48.34	9.32	− 2
7.5	+12	8	23.5	30.12	1.83	+19	48.39	9.30	+ 1
8.5	+ 9	7	21.9	30.25	1.81	+15	48.43	9.28	+ 4
9.5	+ 6	6	20.3	30.39	1.79	+ 9	48.46	9.26	+ 5
10.5	+ 1	6	18.5	30.53	1.77	+ 2	48.49	9.24	+ 6
11.5	− 4	+ 7	16.7	+30.67	+1.75	− 6	48.50	−9.23	+ 6
12.5	− 8	7	15.0	30.80	1.72	−13	48.51	9.21	+ 5
13.5	−12	8	13.6	30.94	1.70	−19	48.51	9.19	+ 3
14.5	−14	9	12.3	31.08	1.67	−23	48.50	9.17	+ 1
15.5	−14	9	11.1	31.22	1.64	−23	48.49	9.15	− 2
16.5	−12	9	9.8	31.35	1.61	−20	48.48	9.14	− 5
17.5	− 8	+ 9	8.5	+31.49	+1.58	−13	48.47	−9.12	− 7
18.5	− 3	7	7.0	31.63	1.55	− 5	48.48	9.10	− 7
19.5	+ 2	6	5.1	31.77	1.52	+ 4	48.51	9.08	− 6
20.5	+ 7	6	2.6	31.90	1.48	+11	48.56	9.07	− 3
21.5	+ 9	6	23.7	32.04	1.45	+14	48.61	9.05	0
22.5	+ 8	7	21.6	32.18	1.41	+14	48.66	9.03	+ 4
23.5	+ 6	+ 8	19.9	+32.32	+1.37	+ 9	48.70	−9.02	+ 7
24.5	+ 1	8	18.4	32.45	1.33	+ 2	48.72	9.00	+ 8
25.5	− 3	7	17.0	32.59	1.29	− 5	48.73	8.99	+ 7
26.5	− 6	6	15.1	32.73	1.25	−10	48.72	8.97	+ 4
27.5	− 7	5	12.6	32.87	1.21	−12	48.70	8.96	+ 1
28.5	− 6	5	9.4	33.01	1.16	− 9	48.67	8.94	− 3
29.5	− 2	+ 6	6.9	+33.14	+1.12	− 3	48.66	−8.93	− 6
30.5	+ 3	7	5.1	33.28	1.07	+ 4	48.66	8.92	− 7
31.5	+ 7	8	3.7	33.42	1.02	+12	48.67	8.90	− 7
Sept. 1.5	+11	9	2.4	33.56	0.97	+18	48.70	8.89	− 5
2.5	+13	9	1.2	33.69	0.92	+21	48.73	8.88	− 3
3.5	+13	8	23.9	33.83	0.87	+21	48.77	8.87	0

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
1922		s		h m		h m	
Sept. 3.5	0.6731	+2.122	1.2158	2 10.6	1.2781	7 23.7	0.8857
4.5	0.6759	2.127	1.2164	2 10.2	1.2777	7 19.5	0.8882
5.5	0.6786	2.132	1.2170	2 9.8	1.2773	7 15.4	0.8905
6.5	0.6813	2.137	1.2176	2 9.4	1.2769	7 11.2	0.8928
7.5	0.6841	2.142	1.2182	2 9.0	1.2766	7 7.0	0.8950
8.5	0.6868	2.147	1.2188	2 8.7	1.2762	7 2.8	0.8969
9.5	0.6896	+2.152	1.2194	2 8.4	1.2759	6 58.6	0.8987
10.5	0.6923	2.157	1.2201	2 8.0	1.2756	6 54.4	0.9005
11.5	0.6950	2.162	1.2207	2 7.7	1.2753	6 50.2	0.9021
12.5	0.6978	2.167	1.2213	2 7.4	1.2751	6 46.0	0.9035
13.5	0.7005	2.172	1.2219	2 7.1	1.2748	6 41.8	0.9048
14.5	0.7032	2.177	1.2225	2 6.8	1.2746	6 37.6	0.9060
15.5	0.7060	+2.182	1.2231	2 6.5	1.2744	6 33.3	0.9070
16.5	0.7087	2.187	1.2238	2 6.2	1.2742	6 29.1	0.9080
17.5	0.7115	2.192	1.2244	2 5.9	1.2741	6 24.8	0.9088
18.5	0.7142	2.196	1.2250	2 5.7	1.2740	6 20.6	0.9094
19.5	0.7169	2.201	1.2256	2 5.4	1.2739	6 16.3	0.9100
20.5	0.7197	2.206	1.2263	2 5.2	1.2738	6 12.1	0.9104
21.5	0.7224	+2.210	1.2270	2 4.9	1.2737	6 7.8	0.9107
22.5	0.7252	2.215	1.2276	2 4.7	1.2737	6 3.6	0.9109
23.5	0.7279	2.220	1.2283	2 4.5	1.2737	5 59.3	0.9109
24.5	0.7306	2.225	1.2290	2 4.3	1.2737	5 55.0	0.9108
25.5	0.7334	2.229	1.2297	2 4.1	1.2737	5 50.7	0.9106
26.5	0.7361	2.234	1.2304	2 3.9	1.2738	5 46.5	0.9103
27.5	0.7388	+2.239	1.2311	2 3.7	1.2739	5 42.2	0.9098
28.5	0.7416	2.244	1.2318	2 3.5	1.2740	5 37.9	0.9092
29.5	0.7443	2.248	1.2325	2 3.3	1.2741	5 33.6	0.9085
30.5	0.7471	2.253	1.2332	2 3.2	1.2743	5 29.4	0.9076
Okt. 1.5	0.7498	2.258	1.2340	2 3.0	1.2745	5 25.1	0.9067
2.5	0.7525	2.263	1.2348	2 2.9	1.2747	5 20.8	0.9055
3.5	0.7553	+2.268	1.2356	2 2.7	1.2749	5 16.5	0.9043
4.5	0.7580	2.272	1.2363	2 2.6	1.2751	5 12.3	0.9029
5.5	0.7608	2.277	1.2371	2 2.5	1.2754	5 8.0	0.9014
6.5	0.7635	2.282	1.2379	2 2.3	1.2757	5 3.7	0.8997
7.5	0.7662	2.287	1.2387	2 2.2	1.2760	4 59.5	0.8980
8.5	0.7690	2.292	1.2395	2 2.1	1.2764	4 55.2	0.8960
9.5	0.7717	+2.297	1.2404	2 2.0	1.2767	4 51.0	0.8939
10.5	0.7744	2.303	1.2412	2 1.9	1.2771	4 46.7	0.8918
11.5	0.7772	2.308	1.2421	2 1.7	1.2775	4 42.5	0.8894
12.5	0.7799	2.313	1.2430	2 1.6	1.2779	4 38.2	0.8869
13.5	0.7827	2.318	1.2439	2 1.5	1.2783	4 34.0	0.8843
14.5	0.7854	2.324	1.2447	2 1.5	1.2788	4 29.8	0.8815

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	Δψ	Δψ'	Wahre Schiefe	Δε	Δε'
1922	in 0.001 (s)	in 0.01 (")				in 0.01 (")	23° 26'		in 0.01 (")
Sept. 3.5	+13	+ 8	23.9 (h)	+33.83"	+0.87"	+21	48.77"	−8.87"	0
4.5	+11	8	22.5	33.97	0.82	+18	48.81	8.85	+ 3
5.5	+ 8	7	21.0	34.11	0.77	+12	48.84	8.84	+ 5
6.5	+ 3	6	19.2	34.24	0.71	+ 5	48.86	8.83	+ 6
7.5	− 2	6	17.4	34.38	0.66	− 3	48.87	8.82	+ 6
8.5	− 6	7	15.6	34.52	0.61	−10	48.88	8.81	+ 6
9.5	−10	+ 8	14.1	+34.66	+0.55	−17	48.87	−8.80	+ 4
10.5	−13	8	12.7	34.79	0.50	−21	48.85	8.80	+ 2
11.5	−14	9	11.5	34.93	0.44	−23	48.83	8.79	− 1
12.5	−13	9	10.2	35.07	0.38	−21	48.80	8.78	− 4
13.5	−10	9	9.0	35.21	0.32	−16	48.79	8.78	− 6
14.5	− 5	8	7.7	35.34	0.27	− 8	48.78	8.77	− 7
15.5	0	+ 7	6.0	+35.48	+0.21	0	48.79	−8.76	− 7
16.5	+ 4	5	3.8	35.62	0.15	+ 7	48.82	8.76	− 4
17.5	+ 7	5	0.9	35.76	0.09	+12	48.85	8.75	− 1
18.5	+ 8	6	22.1	35.89	+0.03	+13	48.89	8.75	+ 3
19.5	+ 6	7	20.2	36.03	−0.03	+ 9	48.93	8.75	+ 6
20.5	+ 2	8	18.6	36.17	0.09	+ 3	48.95	8.75	+ 7
21.5	− 2	+ 8	17.2	+36.31	−0.15	− 4	48.94	−8.74	+ 7
22.5	− 6	7	15.6	36.45	0.21	−10	48.92	8.74	+ 5
23.5	− 7	5	13.5	36.58	0.27	−13	48.89	8.74	+ 2
24.5	− 7	5	10.5	36.72	0.34	−11	48.85	8.74	− 2
25.5	− 3	5	7.6	36.86	0.40	− 6	48.82	8.74	− 5
26.5	+ 1	7	5.6	37.00	0.46	+ 2	48.80	8.75	− 7
27.5	+ 6	+ 8	4.0	+37.13	−0.52	+10	48.79	−8.75	− 7
28.5	+11	9	2.7	37.27	0.58	+17	48.80	8.75	− 6
29.5	+13	9	1.6	37.41	0.64	+22	48.82	8.75	− 4
30.5	+14	9	0.4	37.55	0.70	+23	48.84	8.76	− 1
Okt. 1.5	+12	8	23.0	37.68	0.76	+20	48.86	8.76	+ 2
2.5	+ 9	7	21.6	37.82	0.81	+15	48.88	8.77	+ 4
3.5	+ 5	+ 7	19.9	+37.96	−0.87	+ 9	48.88	−8.77	+ 6
4.5	+ 1	6	18.2	38.10	0.93	+ 1	48.88	8.78	+ 6
5.5	− 4	7	16.4	38.23	0.99	− 7	48.87	8.79	+ 6
6.5	− 8	7	14.7	38.37	1.04	−14	48.85	8.80	+ 5
7.5	−12	8	13.3	38.51	1.10	−19	48.81	8.81	+ 3
8.5	−13	9	11.9	38.65	1.15	−21	48.78	8.82	0
9.5	−13	+ 9	10.6	+38.78	−1.21	−21	48.74	−8.83	− 3
10.5	−11	9	9.4	38.92	1.26	−17	48.70	8.84	− 6
11.5	− 6	8	8.0	39.06	1.31	−11	48.67	8.85	− 7
12.5	− 2	7	6.5	39.20	1.37	− 3	48.66	8.86	− 7
13.5	+ 3	6	4.7	39.34	1.42	+ 5	48.66	8.87	− 5
14.5	+ 6	5	2.0	39.47	1.47	+10	48.68	8.88	− 2

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1922		s		h m		h m		
Okt. 14.5	0.7854	+2.324	1.2447	2 1.5	1.2788	4 29.8	0.8815	
15.5	0.7881	2.329	1.2457	2 1.4	1.2793	4 25.6	0.8785	
16.5	0.7909	2.335	1.2466	2 1.3	1.2798	4 21.4	0.8755	
17.5	0.7936	2.340	1.2476	2 1.2	1.2803	4 17.2	0.8722	
18.5	0.7963	2.346	1.2485	2 1.1	1.2808	4 13.0	0.8688	
19.5	0.7991	2.352	1.2495	2 1.0	1.2813	4 8.8	0.8653	
20.5	0.8018	+2.357	1.2505	2 1.0	1.2818	4 4.6	0.8615	
21.5	0.8045	2.363	1.2515	2 0.9	1.2824	4 0.4	0.8576	
22.5	0.8073	2.369	1.2525	2 0.8	1.2830	3 56.2	0.8536	
23.5	0.8100	2.375	1.2535	2 0.8	1.2835	3 52.1	0.8493	
24.5	0.8128	2.381	1.2545	2 0.7	1.2841	3 47.9	0.8449	
25.5	0.8155	2.388	1.2556	2 0.6	1.2847	3 43.8	0.8403	
26.5	0.8182	+2.394	1.2566	2 0.5	1.2853	3 39.7	0.8355	
27.5	0.8210	2.400	1.2577	2 0.5	1.2860	3 35.6	0.8305	
28.5	0.8237	2.407	1.2588	2 0.4	1.2866	3 31.5	0.8254	
29.5	0.8265	2.413	1.2599	2 0.3	1.2872	3 27.4	0.8201	
30.5	0.8292	2.420	1.2610	2 0.2	1.2879	3 23.3	0.8145	
31.5	0.8319	2.427	1.2622	2 0.2	1.2885	3 19.2	0.8087	
Nov. 1.5	0.8347	+2.434	1.2633	2 0.1	1.2891	3 15.1	0.8027	
2.5	0.8374	2.440	1.2645	2 0.0	1.2898	3 11.1	0.7965	
3.5	0.8401	2.447	1.2656	1 59.9	1.2905	3 7.0	0.7901	
4.5	0.8429	2.455	1.2668	1 59.9	1.2911	3 3.0	0.7833	
5.5	0.8456	2.462	1.2680	1 59.8	1.2918	2 58.9	0.7765	
6.5	0.8483	2.469	1.2692	1 59.7	1.2924	2 54.9	0.7693	
7.5	0.8511	+2.477	1.2704	1 59.6	1.2931	2 50.9	0.7619	+5.779
8.5	0.8538	2.484	1.2716	1 59.5	1.2937	2 46.9	0.7541	5.677
9.5	0.8566	2.492	1.2729	1 59.4	1.2944	2 42.9	0.7462	5.574
10.5	0.8593	2.499	1.2741	1 59.3	1.2950	2 38.9	0.7379	5.469
11.5	0.8620	2.507	1.2753	1 59.2	1.2957	2 35.0	0.7293	5.362
12.5	0.8648	2.515	1.2766	1 59.1	1.2963	2 31.0	0.7204	5.253
13.5	0.8675	+2.523	1.2778	1 59.0	1.2969	2 27.1	0.7112	+5.143
14.5	0.8703	2.531	1.2791	1 58.8	1.2976	2 23.1	0.7017	5.032
15.5	0.8730	2.540	1.2804	1 58.7	1.2982	2 19.2	0.6918	4.918
16.5	0.8757	2.548	1.2816	1 58.6	1.2988	2 15.3	0.6815	4.803
17.5	0.8785	2.556	1.2829	1 58.5	1.2994	2 11.4	0.6709	4.687
18.5	0.8812	2.565	1.2842	1 58.3	1.3000	2 7.5	0.6598	4.569
19.5	0.8839	+2.573	1.2855	1 58.2	1.3006	2 3.6	0.6483	+4.449
20.5	0.8867	2.582	1.2868	1 58.0	1.3012	1 59.7	0.6363	4.328
21.5	0.8894	2.591	1.2882	1 57.9	1.3017	1 55.8	0.6239	4.206
22.5	0.8922	2.600	1.2895	1 57.7	1.3023	1 51.9	0.6110	4.083
23.5	0.8949	2.609	1.2908	1 57.5	1.3028	1 48.1	0.5975	3.958
24.5	0.8976	2.618	1.2921	1 57.4	1.3034	1 44.2	0.5833	3.831

Mittl. Zeit Greenwich	f′	g′	G′	Allgemeine Präzession seit 1922.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′
1922	in 0.001 (s)	in 0.01 (″)	h	″	″	in 0.01 (″)	23° 26′	″	in 0.01 (″)
Okt. 14.5	+ 6	+ 5	2.0	+39.47	−1.47	+10	48.68	−8.88	− 2
15.5	+ 7	5	22.9	39.61	1.51	+12	48.70	8.89	+ 1
16.5	+ 6	6	20.6	39.75	1.56	+ 9	48.72	8.91	+ 5
17.5	+ 2	7	18.7	39.89	1.61	+ 4	48.73	8.92	+ 7
18.5	− 2	8	17.3	40.02	1.65	− 4	48.72	8.94	+ 8
19.5	− 6	7	15.7	40.16	1.70	−10	48.69	8.95	+ 6
20.5	− 9	+ 6	14.0	+40.30	−1.74	−14	48.64	−8.97	+ 3
21.5	− 8	5	11.6	40.44	1.78	−14	48.59	8.98	0
22.5	− 6	6	8.8	40.57	1.82	− 9	48.53	9.00	− 4
23.5	− 1	6	6.4	40.71	1.86	− 2	48.49	9.01	− 6
24.5	+ 4	8	4.6	40.85	1.90	+ 7	48.47	9.03	− 7
25.5	+ 9	9	3.2	40.99	1.94	+15	48.46	9.05	− 6
26.5	+13	+ 9	1.9	+41.12	−1.97	+21	48.46	−9.07	− 4
27.5	+14	9	0.7	41.26	2.00	+23	48.47	9.08	− 2
28.5	+14	9	23.5	41.40	2.04	+22	48.48	9.10	+ 1
29.5	+11	8	22.2	41.53	2.07	+18	48.48	9.12	+ 4
30.5	+ 7	7	20.7	41.67	2.10	+12	48.48	9.14	+ 6
31.5	+ 3	7	19.0	41.81	2.12	+ 4	48.47	9.16	+ 6
Nov. 1.5	− 2	+ 6	17.1	+41.95	−2.15	− 4	48.45	−9.17	+ 6
2.5	− 7	7	15.3	42.09	2.17	−11	48.42	9.19	+ 5
3.5	−10	7	13.6	42.22	2.19	−17	48.38	9.21	+ 3
4.5	−12	8	12.2	42.36	2.21	−20	48.33	9.23	0
5.5	−12	8	10.9	42.50	2.23	−20	48.28	9.25	− 2
6.5	−11	9	9.6	42.64	2.25	−17	48.23	9.27	− 5
7.5	− 7	+ 8	8.3	+42.78	−2.27	−12	48.20	−9.29	− 7
8.5	− 3	7	6.8	42.91	2.28	− 4	48.17	9.31	− 7
9.5	+ 2	6	5.1	43.05	2.30	+ 4	48.16	9.33	− 6
10.5	+ 6	5	2.8	43.19	2.31	+10	48.17	9.35	− 3
11.5	+ 8	5	23.9	43.33	2.32	+13	48.18	9.37	0
12.5	+ 7	6	21.3	43.46	2.32	+11	48.20	9.39	+ 4
13.5	+ 4	+ 7	19.3	+43.60	−2.33	+ 6	48.21	−9.41	+ 7
14.5	− 1	8	17.7	43.74	2.33	− 2	48.20	9.42	+ 8
15.5	− 6	8	16.1	43.88	2.34	− 9	48.17	9.44	+ 7
16.5	− 9	7	14.5	44.01	2.34	−15	48.12	9.46	+ 5
17.5	−10	6	12.6	44.15	2.34	−16	48.07	9.48	+ 1
18.5	− 8	6	10.1	44.29	2.34	−13	48.01	9.50	− 3
19.5	− 4	+ 6	7.6	+44.43	−2.33	− 7	47.97	−9.52	− 6
20.5	+ 1	7	5.5	44.56	2.33	+ 2	47.93	9.53	− 7
21.5	+ 7	8	3.8	44.70	2.32	+11	47.92	9.55	− 7
22.5	+11	9	2.4	44.84	2.32	+18	47.92	9.57	− 5
23.5	+14	9	1.1	44.98	2.31	+22	47.93	9.58	− 3
24.5	+14	9	23.9	45.11	2.30	+22	47.94	9.60	0

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
1922		s		h m		h m		"
Nov. 24.5	0.8976	+2.618	1.2921	1 57.4	1.3034	1 44.2	0.5833	+3.831
25.5	0.9004	2.627	1.2934	1 57.2	1.3039	1 40.4	0.5686	3.703
26.5	0.9031	2.636	1.2947	1 57.0	1.3044	1 36.5	0.5533	3.575
27.5	0.9059	2.646	1.2961	1 56.8	1.3049	1 32.7	0.5372	3.445
28.5	0.9086	2.655	1.2974	1 56.6	1.3053	1 28.9	0.5204	3.314
29.5	0.9113	2.664	1.2987	1 56.4	1.3058	1 25.1	0.5026	3.181
30.5	0.9141	+2.674	1.3000	1 56.2	1.3062	1 21.3	0.4840	+3.048
Dez. 1.5	0.9168	2.683	1.3014	1 56.0	1.3067	1 17.5	0.4646	2.915
2.5	0.9195	2.693	1.3027	1 55.7	1.3071	1 13.7	0.4439	2.779
3.5	0.9223	2.703	1.3040	1 55.5	1.3075	1 9.9	0.4221	2.643
4.5	0.9250	2.713	1.3053	1 55.3	1.3078	1 6.1	0.3990	2.506
5.5	0.9278	2.722	1.3067	1 55.0	1.3082	1 2.3	0.3746	2.369
6.5	0.9305	+2.732	1.3080	1 54.8	1.3085	0 58.5	0.3485	+2.231
7.5	0.9332	2.742	1.3093	1 54.5	1.3088	0 54.8	0.3204	2.091
8.5	0.9360	2.752	1.3106	1 54.3	1.3091	0 51.0	0.2903	1.951
9.5	0.9387	2.762	1.3119	1 54.0	1.3094	0 47.3	0.2579	1.811
10.5	0.9414	2.773	1.3132	1 53.7	1.3097	0 43.5	0.2227	1.670
11.5	0.9442	2.783	1.3145	1 53.4	1.3099	0 39.7	0.1841	1.528
12.5	0.9469	+2.793	1.3158	1 53.2	1.3101	0 36.0	0.1414	+1.385
13.5	0.9496	2.803	1.3171	1 52.9	1.3103	0 32.2	0.0941	1.242
14.5	0.9524	2.813	1.3184	1 52.6	1.3105	0 28.5	0.0410	1.099
15.5	0.9551	2.824	1.3196	1 52.2	1.3106	0 24.8	9.9805	0.956
16.5	0.9579	2.834	1.3209	1 51.9	1.3108	0 21.0	9.9096	0.812
17.5	0.9606	2.844	1.3222	1 51.6	1.3109	0 17.3	9.8248	0.668
18.5	0.9633	+2.855	1.3234	1 51.3	1.3110	0 13.5	9.7193	+0.524
19.5	0.9661	2.865	1.3247	1 51.0	1.3110	0 9.8	9.5798	0.380
20.5	0.9688	2.875	1.3259	1 50.6	1.3111	0 6.1	9.3711	0.235
21.5	0.9716	2.886	1.3271	1 50.3	1.3111	0 2.3	8.9542	+0.090
22.5	0.9743	2.896	1.3284	1 49.9	1.3111	23 58.6	8.7404_n	−0.055
23.5	0.9770	2.906	1.3296	1 49.6	1.3111	23 54.8	9.2989_n	0.199
24.5	0.9798	+2.917	1.3308	1 49.2	1.3111	23 51.1	9.5366_n	−0.344
25.5	0.9825	2.927	1.3320	1 48.9	1.3110	23 47.4	9.6893_n	0.489
26.5	0.9853	2.938	1.3331	1 48.5	1.3109	23 43.6	9.8021_n	0.634
27.5	0.9880	2.948	1.3343	1 48.1	1.3108	23 39.9	9.8910_n	0.778
28.5	0.9907	2.958	1.3355	1 47.8	1.3107	23 36.1	9.9647_n	0.922
29.5	0.9935	2.969	1.3366	1 47.4	1.3105	23 32.4	0.0278_n	1.066
30.5	0.9962	+2.979	1.3378	1 47.0	1.3104	23 28.6	0.0828_n	−1.210
31.5	0.9989	2.989	1.3389	1 46.6	1.3102	23 24.9	0.1313_n	1.353
32.5	1.0017	2.999	1.3400	1 46.3	1.3100	23 21.1	0.1749_n	1.496
33.5	1.0044	3.010	1.3411	1 45.9	1.3097	23 17.4	0.2143_n	1.638
34.5	1.0072	3.020	1.3422	1 45.5	1.3095	23 13.6	0.2502_n	1.779
35.5	1.0099	3.030	1.3433	1 45.1	1.3092	23 9.8	0.2833_n	1.920

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1922.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1922	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01
Nov. 24.5	+14	+ 9	23.ʰ9	+45.″11	−2.″30	+22	47.″94	−9.″60	0
25.5	+12	8	22.6	45.25	2.28	+20	47.94	9.62	+3
26.5	+ 9	8	21.2	45.39	2.27	+14	47.95	9.63	+5
27.5	+ 4	7	19.5	45.53	2.26	+ 7	47.95	9.65	+6
28.5	− 1	6	17.8	45.67	2.24	− 1	47.93	9.66	+6
29.5	− 5	6	15.9	45.80	2.22	− 9	47.91	9.67	+6
30.5	− 9	+ 7	14.3	+45.94	−2.21	−15	47.88	−9.69	+4
Dez. 1.5	−11	7	12.7	46.08	2.19	−19	47.84	9.70	+1
2.5	−12	8	11.3	46.22	2.17	−20	47.79	9.71	−1
3.5	−11	8	9.9	46.35	2.14	−18	47.75	9.73	−4
4.5	− 8	8	8.6	46.49	2.12	−13	47.72	9.74	−6
5.5	− 3	8	7.1	46.63	2.10	− 6	47.70	9.75	−7
6.5	+ 2	+ 7	5.5	+46.77	−2.07	+ 3	47.69	−9.76	−7
7.5	+ 6	6	3.3	46.90	2.05	+ 9	47.70	9.77	−4
8.5	+ 8	5	0.8	47.04	2.02	+13	47.73	9.78	−1
9.5	+ 8	6	22.3	47.18	1.99	+13	47.75	9.79	+3
10.5	+ 6	7	20.1	47.32	1.97	+ 9	47.78	9.79	+6
11.5	+ 1	7	18.4	47.45	1.94	+ 2	47.79	9.80	+7
12.5	− 4	+ 8	16.8	+47.59	−1.91	− 6	47.78	−9.81	+7
13.5	− 8	8	15.1	47.73	1.88	−13	47.75	9.81	+5
14.5	−10	7	13.2	47.87	1.85	−16	47.71	9.82	+2
15.5	−10	6	11.0	48.00	1.82	−16	47.67	9.82	−2
16.5	− 6	6	8.7	48.14	1.79	−10	47.63	9.82	−5
17.5	− 1	7	6.4	48.28	1.76	− 2	47.61	9.83	−7
18.5	+ 4	+ 8	4.6	+48.42	−1.73	+ 7	47.60	−9.83	−7
19.5	+ 9	8	3.1	48.55	1.69	+15	47.61	9.83	−6
20.5	+12	9	1.6	48.69	1.66	+20	47.63	9.83	−4
21.5	+14	9	0.3	48.83	1.63	+22	47.66	9.83	−1
22.5	+12	8	23.0	48.97	1.60	+20	47.69	9.83	+2
23.5	+10	8	21.6	49.11	1.56	+16	47.71	9.83	+5
24.5	+ 5	+ 7	20.0	+49.24	−1.53	+ 9	47.73	−9.83	+6
25.5	+ 1	6	18.2	49.38	1.50	+ 1	47.73	9.82	+6
26.5	− 4	6	16.5	49.52	1.47	− 6	47.73	9.82	+6
27.5	− 8	7	14.8	49.66	1.44	−13	47.72	9.82	+5
28.5	−11	7	13.2	49.79	1.41	−18	47.70	9.81	+2
29.5	−12	8	11.8	49.93	1.37	−20	47.68	9.81	0
30.5	−12	+ 8	10.4	+50.07	−1.34	−19	47.66	−9.80	−3
31.5	− 9	8	9.1	50.21	1.31	−15	47.64	9.79	−6
32.5	− 5	8	7.7	50.34	1.28	− 8	47.63	9.78	−7
33.5	0	7	6.0	50.48	1.25	0	47.64	9.78	−7
34.5	+ 5	6	4.0	50.62	1.23	+ 8	47.66	9.77	−5
35.5	+ 8	6	1.7	50.76	1.20	+13	47.70	9.76	−2

Reduktionsgrößen 1922

für 12h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A'	B		B'	C		D	
1922											
Jan. 0.722	0.0002	+0.09176	331	+335	+9.567	6	− 3	− 3.271	327	+20.157	67
1.720	0.0029	0.09507	329	+274	9.561	5	−29	3.598	327	20.090	73
2.717	0.0057	0.09836	329	+168	9.556	6	−49	3.925	325	20.017	79
3.714	0.0084	0.10165	329	+ 31	9.550	8	−62	4.250	324	19.938	85
4.711	0.0111	0.10494	328	−124	9.542	8	−66	4.574	323	19.853	92
5.709	0.0139	0.10822	325	−278	9.534	8	−58	4.897	321	19.761	97
6.706	0.0166	+0.11147	322	−403	+9.526	9	−40	− 5.218	319	+19.664	103
7.703	0.0193	0.11469	321	−478	9.517	9	−12	5.537	317	19.561	111
8.700	0.0221	0.11790	319	−481	9.508	10	+21	5.854	315	19.450	116
9.698	0.0248	0.12109	317	−403	9.498	11	+48	6.169	314	19.334	122
10.695	0.0275	0.12426	315	−254	9.487	11	+70	6.483	312	19.212	129
11.692	0.0302	0.12741	313	− 61	9.476	12	+75	6.795	309	19.083	134
12.689	0.0330	+0.13054	311	+134	+9.464	12	+62	− 7.104	307	+18.949	141
13.687	0.0357	0.13365	308	+289	9.452	13	+34	7.411	305	18.808	146
14.684	0.0384	0.13673	306	+368	9.439	13	− 4	7.716	302	18.662	152
15.681	0.0412	0.13979	303	+350	9.426	14	−40	8.018	300	18.510	157
16.679	0.0439	0.14282	300	+253	9.412	15	−68	8.318	297	18.353	163
17.676	0.0466	0.14582	298	+104	9.397	15	−78	8.615	294	18.190	170
18.673	0.0494	+0.14880	295	− 50	+9.382	15	−68	− 8.909	291	+18.020	175
19.670	0.0521	0.15175	292	−167	9.367	15	−42	9.200	289	17.845	181
20.668	0.0548	0.15467	289	−217	9.352	15	− 7	9.489	286	17.664	186
21.665	0.0576	0.15756	287	−190	9.337	16	+28	9.775	283	17.478	192
22.662	0.0603	0.16043	284	− 96	9.321	16	+55	10.058	279	17.286	196
23.659	0.0630	0.16327	280	+ 35	9.305	16	+70	10.337	275	17.090	202
24.657	0.0657	+0.16607	278	+171	+9.289	17	+71	−10.612	273	+16.888	207
25.654	0.0685	0.16885	274	+282	9.272	18	+57	10.885	269	16.681	212
26.651	0.0712	0.17159	271	+348	9.254	18	+33	11.154	265	16.469	218
27.649	0.0739	0.17430	268	+359	9.236	18	+ 7	11.419	262	16.251	223
28.646	0.0767	0.17698	265	+315	9.218	18	−20	11.681	258	16.028	228
29.643	0.0794	0.17963	262	+225	9.200	18	−44	11.939	254	15.800	232
30.640	0.0821	+0.18225	258	+ 98	+9.182	18	−58	−12.193	251	+15.568	237
31.638	0.0849	0.18483	255	− 55	9.164	18	−66	12.444	246	15.331	243
Febr. 1.635	0.0876	0.18738	252	−212	9.146	18	−64	12.690	242	15.088	246
2.632	0.0903	0.18990	248	−357	9.128	18	−49	12.932	239	14.842	250
3.629	0.0930	0.19238	246	−458	9.110	18	−25	13.171	234	14.592	256
4.627	0.0958	0.19484	242	−500	9.092	18	+ 6	13.405	230	14.336	260
5.624	0.0985	+0.19726	239	−464	+9.074	18	+37	−13.635	226	+14.076	264
6.621	0.1012	0.19965	235	−351	9.056	18	+63	13.861	221	13.812	269
7.618	0.1040	0.20200	232	−178	9.038	18	+75	14.082	216	13.543	272
8.616	0.1067	0.20432	229	+ 18	9.020	18	+70	14.298	213	13.271	278
9.613	0.1094	0.20661	226	+190	9.002	18	+47	14.511	208	12.993	281
10.610	0.1122	0.20887		+304	8.984		+13	14.719		12.712	

für 12ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich	*t*	*A*	Diff.	*A'*	*B*	Diff.	*B'*	*C*	Diff.	*D*	Diff.
1922											
Febr. 10.610	0.1122	+0.20887	222	+304	+8.984	17	+13	−14.719	202	+12.712	284
11.608	0.1149	0.21109	220	+336	8.967	18	−24	14.921	199	12.428	287
12.605	0.1176	0.21329	217	+276	8.949	17	−58	15.120	194	12.141	292
13.602	0.1204	0.21546	213	+153	8.932	17	−75	15.314	188	11.849	295
14.599	0.1231	0.21759	211	+ 5	8.915	17	−74	15.502	184	11.554	299
15.597	0.1258	0.21970	207	−124	8.898	16	−55	15.686	179	11.255	303
16.594	0.1285	+0.22177	205	−196	+8.882	16	−24	−15.865	174	+10.952	305
17.591	0.1313	0.22382	202	−193	8.866	16	+14	16.039	169	10.647	308
18.588	0.1340	0.22584	199	−119	8.850	16	+46	16.208	164	10.339	311
19.586	0.1367	0.22783	196	+ 3	8.834	15	+66	16.372	159	10.028	315
20.583	0.1395	0.22979	193	+143	8.819	14	+72	16.531	153	9.713	318
21.580	0.1422	0.23172	191	+268	8.805	14	+63	16.684	149	9.395	320
22.578	0.1449	+0.23363	189	+354	+8.791	14	+43	−16.833	143	+ 9.075	322
23.575	0.1477	0.23552	186	+385	8.777	13	+18	16.976	138	8.753	325
24.572	0.1504	0.23738	183	+360	8.764	13	− 9	17.114	133	8.428	328
25.569	0.1531	0.23921	181	+285	8.751	13	−34	17.247	127	8.100	331
26.567	0.1558	0.24102	179	+171	8.738	12	−54	17.374	123	7.769	332
27.564	0.1586	0.24281	177	+ 26	8.726	12	−63	17.497	116	7.437	334
28.561	0.1613	+0.24458	175	−130	+8.714	11	−66	−17.613	111	+ 7.103	336
März 1.558	0.1640	0.24633	172	−281	8.703	11	−54	17.724	105	6.767	338
2.556	0.1668	0.24805	171	−405	8.692	10	−35	17.829	101	6.429	341
3.553	0.1695	0.24976	169	−476	8.682	9	− 8	17.930	94	6.088	342
4.550	0.1722	0.25145	167	−477	8.673	9	+25	18.024	89	5.746	343
5.547	0.1750	0.25312	165	−404	8.664	8	+54	18.113	84	5.403	344
6.545	0.1777	+0.25477	164	−263	+8.656	8	+71	−18.197	78	+ 5.059	346
7.542	0.1804	0.25641	163	− 83	8.648	7	+74	18.275	73	4.713	348
8.539	0.1832	0.25804	161	+ 94	8.641	6	+58	18.348	67	4.365	348
9.537	0.1859	0.25965	160	+229	8.635	5	+28	18.415	61	4.017	349
10.534	0.1886	0.26125	159	+292	8.630	5	− 9	18.476	55	3.668	351
11.531	0.1913	0.26284	158	+269	8.625	4	−45	18.531	50	3.317	351
12.528	0.1941	+0.26442	157	+169	+8.621	4	−70	−18.581	45	+ 2.966	352
13.526	0.1968	0.26599	156	+ 29	8.617	3	−79	18.626	39	2.614	353
14.523	0.1995	0.26755	156	−107	8.614	3	−65	18.665	33	2.261	353
15.520	0.2023	0.26911	155	−195	8.611	2	−38	18.698	27	1.908	354
16.517	0.2050	0.27066	154	−218	8.609	1	− 2	18.725	22	1.554	353
17.515	0.2077	0.27220	154	−163	8.608	1	+32	18.747	16	1.201	354
18.512	0.2105	+0.27374	153	− 48	+8.607	0	+59	−18.763	11	+ 0.847	354
19.509	0.2132	0.27527	154	+ 98	8.607	1	+72	18.774	5	0.493	354
20.507	0.2159	0.27681	153	+237	8.608	1	+69	18.779	0	+ 0.139	354
21.504	0.2186	0.27834	154	+345	8.609	2	+53	18.779	7	− 0.215	353
22.501	0.2214	0.27988	154	+400	8.611	3	+29	18.772	11	0.568	353
23.498	0.2241	0.28142		+398	8.614		+ 2	18.761		0.921	

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für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A'	B		B'	C		D	
1922											
März 23.498	0.2241	+0.28142	154	+398	+8.614	3	+ 2	−18.761	18	− 0.921	353
24.496	0.2268	0.28296	154	+341	8.617	4	−24	18.743	23	1.274	351
25.493	0.2296	0.28450	155	+241	8.621	5	−46	18.720	29	1.625	351
26.490	0.2323	0.28605	155	+105	8.626	5	−60	18.691	34	1.976	351
27.487	0.2350	0.28760	156	− 46	8.631	6	−66	18.657	39	2.327	350
28.485	0.2378	0.28916	156	−201	8.637	7	−60	18.618	45	2.677	348
29.482	0.2405	+0.29072	157	−333	+8.644	7	−44	−18.573	50	− 3.025	348
30.479	0.2432	0.29229	159	−428	8.651	8	−19	18.523	57	3.373	346
31.477	0.2460	0.29388	160	−459	8.659	9	+11	18.466	61	3.719	346
April 1.474	0.2487	0.29548	161	−419	8.668	9	+41	18.405	67	4.065	344
2.471	0.2514	0.29709	162	−308	8.677	9	+65	18.338	71	4.409	342
3.468	0.2541	0.29871	164	−147	8.686	10	+74	18.267	77	4.751	339
4.466	0.2569	+0.30035	165	+ 27	+8.696	11	+66	−18.190	83	− 5.090	339
5.463	0.2596	0.30200	166	+175	8.707	11	+42	18.107	88	5.429	338
6.460	0.2623	0.30366	168	+261	8.718	12	+ 7	18.019	94	5.767	335
7.457	0.2651	0.30534	170	+263	8.730	13	−31	17.925	98	6.102	333
8.455	0.2678	0.30704	172	+186	8.743	13	−62	17.827	104	6.435	332
9.452	0.2705	0.30876	173	+ 53	8.756	14	−76	17.723	108	6.767	329
10.449	0.2733	+0.31049	175	− 91	+8.770	14	−74	−17.615	113	− 7.096	326
11.446	0.2760	0.31224	177	−206	8.784	14	−51	17.502	119	7.422	324
12.444	0.2787	0.31401	179	−256	8.798	15	−18	17.383	124	7.746	322
13.441	0.2814	0.31580	181	−226	8.813	15	+19	17.259	129	8.068	320
14.438	0.2842	0.31761	184	−124	8.828	16	+50	17.130	133	8.388	317
15.436	0.2869	0.31945	186	+ 21	8.844	16	+69	16.997	138	8.705	314
16.433	0.2896	+0.32131	188	+176	+8.860	16	+72	−16.859	144	− 9.019	311
17.430	0.2924	0.32319	191	+308	8.876	16	+62	16.715	148	9.330	309
18.427	0.2951	0.32510	193	+393	8.892	17	+40	16.567	153	9.639	306
19.425	0.2978	0.32703	195	+416	8.909	17	+14	16.414	157	9.945	302
20.422	0.3006	0.32898	198	+380	8.926	18	−14	16.257	162	10.247	299
21.419	0.3033	0.33096	200	+294	8.944	18	−38	16.095	167	10.546	296
22.416	0.3060	+0.33296	203	+169	+8.962	19	−56	−15.928	171	−10.842	294
23.414	0.3088	0.33499	206	+ 24	8.981	19	−64	15.757	175	11.136	290
24.411	0.3115	0.33705	209	−129	9.000	19	−63	15.582	180	11.426	286
25.408	0.3142	0.33914	211	−270	9.019	19	−52	15.402	184	11.712	282
26.406	0.3169	0.34125	214	−377	9.038	19	−30	15.218	188	11.994	278
27.403	0.3197	0.34339	216	−432	9.057	19	− 2	15.030	193	12.272	276
28.400	0.3224	+0.34555	219	−418	+9.076	19	+30	−14.837	196	−12.548	272
29.397	0.3251	0.34774	221	−332	9.095	19	+58	14.641	201	12.820	268
30.395	0.3279	0.34995	224	−189	9.114	20	+72	14.440	205	13.088	263
Mai 1.392	0.3306	0.35219	227	− 17	9.134	20	+72	14.235	209	13.351	260
2.389	0.3333	0.35446	231	+142	9.154	20	+54	14.026	212	13.611	256
3.386	0.3361	0.35677		+254	9.174		+21	13.814		13.867	

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A	Δ	A′	B	Δ	B′	C	Δ	D	Δ
1922											
Mai 3.386	0.3361	+0.35677	234	+254	+9″.174	19	+21	−13″.814	217	−13″.867	252
4.384	0.3388	0.35911	237	+283	9.193	20	−15	13.597	220	14.119	248
5.381	0.3415	0.36148	240	+230	9.213	20	−51	13.377	224	14.367	244
6.378	0.3442	0.36388	242	+108	9.233	19	−72	13.153	228	14.611	239
7.375	0.3470	0.36630	245	− 48	9.252	20	−77	12.925	231	14.850	235
8.373	0.3497	0.36875	247	−187	9.272	20	−62	12.694	234	15.085	231
9.370	0.3524	+0.37122	250	−271	+9.292	20	−32	−12.460	238	−15.316	226
10.367	0.3552	0.37372	253	−278	9.312	19	+ 5	12.222	242	15.542	222
11.365	0.3579	0.37625	255	−205	9.331	19	+39	11.980	245	15.764	216
12.362	0.3606	0.37880	259	− 70	9.350	19	+63	11.735	247	15.980	213
13.359	0.3634	0.38139	261	+ 89	9.369	19	+73	11.488	251	16.193	209
14.356	0.3661	0.38400	264	+241	9.388	19	+69	11.237	254	16.402	203
15.354	0.3688	+0.38664	266	+353	+9.407	18	+50	−10.983	257	−16.605	198
16.351	0.3716	0.38930	269	+405	9.425	18	+24	10.726	260	16.803	194
17.348	0.3743	0.39199	271	+397	9.443	18	− 4	10.466	263	16.997	188
18.345	0.3770	0.39470	274	+330	9.461	18	−30	10.203	266	17.185	184
19.343	0.3797	0.39744	276	+222	9.479	17	−50	9.937	268	17.369	179
20.340	0.3825	0.40020	279	+ 82	9.496	17	−61	9.669	271	17.548	174
21.337	0.3852	+0.40299	281	− 71	+9.513	17	−65	− 9.398	273	−17.722	169
22.335	0.3879	0.40580	284	−217	9.530	16	−57	9.125	276	17.891	164
23.332	0.3907	0.40864	286	−338	9.546	16	−40	8.849	279	18.055	159
24.329	0.3934	0.41150	288	−412	9.562	16	−13	8.570	280	18.214	153
25.326	0.3961	0.41438	290	−423	9.578	15	+17	8.290	282	18.367	149
26.324	0.3989	0.41728	292	−362	9.593	15	+47	8.008	285	18.516	143
27.321	0.4016	+0.42020	295	−237	+9.608	15	+67	− 7.723	287	−18.659	138
28.318	0.4043	0.42315	296	− 68	9.623	14	+74	7.436	288	18.797	133
29.315	0.4070	0.42611	298	+105	9.637	14	+64	7.148	291	18.930	127
30.313	0.4098	0.42909	300	+243	9.651	13	+37	6.857	293	19.057	122
31.310	0.4125	0.43209	301	+310	9.664	13	+ 2	6.564	295	19.179	116
Juni 1.307	0.4152	0.43510	303	+292	9.677	12	−36	6.269	296	19.295	111
2.304	0.4180	+0.43813	305	+190	+9.689	12	−64	− 5.973	297	−19.406	106
3.302	0.4207	0.44118	306	+ 37	9.701	11	−77	5.676	299	19.512	101
4.299	0.4234	0.44424	308	−122	9.712	11	−71	5.377	300	19.613	95
5.296	0.4262	0.44732	309	−242	9.723	10	−47	5.077	302	19.708	90
6.294	0.4289	0.45041	311	−294	9.733	10	−11	4.775	304	19.798	84
7.291	0.4316	0.45352	312	−259	9.743	9	+25	4.471	304	19.882	78
8.288	0.4344	+0.45664	313	−151	+9.752	8	+55	− 4.167	305	−19.960	72
9.285	0.4371	0.45977	314	+ 2	9.760	8	+72	3.862	307	20.032	68
10.283	0.4398	0.46291	315	+163	9.768	7	+71	3.555	307	20.100	62
11.280	0.4425	0.46606	316	+297	9.775	6	+58	3.248	308	20.162	56
12.277	0.4453	0.46922	316	+377	9.781	6	+34	2.940	308	20.218	50
13.274	0.4480	0.47238		+397	9.787		+ 5	2.632		20.268	

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Mittlere Zeit Greenwich	t	A	Δ	A′	B	Δ	B′	C	Δ	D	Δ
1922											
Juni 13.274	0.4480	+0.47238	317	+397	+9.″787	6	+ 5	−2.″632	310	−20.″268	45
14.272	0.4507	0.47555	318	+353	9.793	5	−21	2.322	310	20.313	40
15.269	0.4535	0.47873	318	+260	9.798	4	−45	2.012	310	20.353	34
16.266	0.4562	0.48191	319	+131	9.802	4	−59	1.702	311	20.387	28
17.264	0.4589	0.48510	320	− 20	9.806	3	−65	1.391	312	20.415	22
18.261	0.4617	0.48830	320	−172	9.809	3	−61	1.079	311	20.437	16
19.258	0.4644	+0.49150	320	−307	+9.812	2	−48	−0.768	312	−20.453	11
20.255	0.4671	0.49470	319	−402	9.814	1	−23	0.456	312	20.464	5
21.253	0.4698	0.49789	320	−440	9.815	1	+ 5	−0.144	312	20.469	0
22.250	0.4726	0.50109	320	−408	9.816	0	+34	+0.168	311	20.469	6
23.247	0.4753	0.50429	320	−306	9.816	1	+60	0.479	312	20.463	11
24.244	0.4780	0.50749	319	−147	9.815	1	+73	0.791	311	20.452	17
25.242	0.4808	+0.51068	319	+ 36	+9.814	2	+70	+1.102	311	−20.435	23
26.239	0.4835	0.51387	319	+200	9.812	2	+50	1.413	311	20.412	28
27.236	0.4862	0.51706	318	+307	9.810	3	+19	1.724	310	20.384	34
28.233	0.4890	0.52024	318	+331	9.807	3	−19	2.034	310	20.350	39
29.231	0.4917	0.52342	317	+268	9.804	4	−53	2.344	309	20.311	45
30.228	0.4944	0.52659	316	+136	9.800	5	−72	2.653	308	20.266	51
Juli 1.225	0.4972	+0.52975	315	− 26	+9.795	5	−75	+2.961	307	−20.215	57
2.223	0.4999	0.53290	314	−171	9.790	6	−60	3.268	307	20.158	62
3.220	0.5026	0.53604	313	−258	9.784	7	−27	3.575	305	20.096	68
4.217	0.5053	0.53917	312	−267	9.777	8	+ 9	3.880	305	20.028	73
5.214	0.5081	0.54229	311	−193	9.769	8	+43	4.185	303	19.955	78
6.212	0.5108	0.54540	310	− 59	9.761	8	+66	4.488	301	19.877	84
7.209	0.5135	+0.54850	308	+ 98	+9.753	8	+72	+4.789	301	−19.793	89
8.206	0.5163	0.55158	307	+244	9.745	9	+64	5.090	299	19.704	95
9.203	0.5190	0.55465	305	+348	9.736	9	+44	5.389	298	19.609	100
10.201	0.5217	0.55770	304	+391	9.727	10	+17	5.687	296	19.509	106
11.198	0.5245	0.56074	302	+372	9.717	11	−11	5.983	295	19.403	111
12.195	0.5272	0.56376	301	+296	9.706	11	−36	6.278	293	19.292	117
13.193	0.5299	+0.56677	299	+179	+9.695	12	−53	+6.571	292	−19.175	121
14.190	0.5326	0.56976	296	+ 34	9.683	12	−64	6.863	288	19.054	126
15.187	0.5354	0.57272	294	−120	9.671	12	−64	7.151	287	18.928	132
16.184	0.5381	0.57566	293	−265	9.659	13	−53	7.438	286	18.796	137
17.182	0.5408	0.57859	291	−383	9.646	14	−33	7.724	283	18.659	143
18.179	0.5436	0.58150	288	−449	9.632	14	− 6	8.007	281	18.516	147
19.176	0.5463	+0.58438	286	−451	+9.618	14	+23	+8.288	279	−18.369	153
20.173	0.5490	0.58724	284	−380	9.604	14	+52	8.567	276	18.216	158
21.171	0.5518	0.59008	282	−245	9.590	14	+68	8.843	274	18.058	162
22.168	0.5545	0.59290	280	− 68	9.576	15	+73	9.117	272	17.896	168
23.165	0.5572	0.59570	278	+112	9.561	16	+61	9.389	269	17.728	172
24.163	0.5600	0.59848		+253	9.545		+33	9.658		17.556	

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich		*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
1922												
Juli	24.163	0.5600	+0.59848	275	+253	+9.″545	16	+33	+ 9.″658	267	−17.″556	178
	25.160	0.5627	0.60123	273	+325	9.529	16	− 4	9.925	263	17.378	182
	26.157	0.5654	0.60396	270	+304	9.513	17	−41	10.188	261	17.196	187
	27.154	0.5681	0.60666	267	+207	9.496	17	−67	10.449	258	17.009	192
	28.152	0.5709	0.60933	265	+ 60	9.479	17	−77	10.707	256	16.817	196
	29.149	0.5736	0.61198	262	− 91	9.462	17	−68	10.963	252	16.621	201
	30.146	0.5763	+0.61460	260	−204	+9.445	17	−42	+11.215	249	−16.420	206
	31.143	0.5791	0.61720	257	−243	9.428	17	− 6	11.464	246	16.214	211
Aug.	1.141	0.5818	0.61977	255	−204	9.411	17	+29	11.710	243	16.003	215
	2.138	0.5845	0.62232	252	− 95	9.394	17	+57	11.953	239	15.788	219
	3.135	0.5873	0.62484	249	+ 55	9.377	18	+72	12.192	237	15.569	223
	4.132	0.5900	0.62733	246	+207	9.359	18	+70	12.429	233	15.346	228
	5.130	0.5927	+0.62979	244	+327	+9.341	18	+54	+12.662	229	−15.118	233
	6.127	0.5954	0.63223	241	+394	9.323	18	+29	12.891	226	14.885	237
	7.124	0.5982	0.63464	238	+396	9.305	18	0	13.117	223	14.648	241
	8.122	0.6009	0.63702	235	+340	9.287	18	−27	13.340	219	14.407	244
	9.119	0.6036	0.63937	233	+235	9.269	18	−48	13.559	214	14.163	248
	10.116	0.6064	0.64170	229	+ 99	9.251	18	−61	13.773	211	13.915	253
	11.113	0.6091	+0.64399	227	− 55	+9.233	18	−65	+13.984	208	−13.662	257
	12.111	0.6118	0.64626	224	−209	9.215	18	−59	14.192	203	13.405	260
	13.108	0.6146	0.64850	221	−340	9.197	18	−43	14.395	200	13.145	264
	14.105	0.6173	0.65071	219	−432	9.179	18	−18	14.595	196	12.881	268
	15.102	0.6200	0.65290	216	−466	9.161	18	+11	14.791	191	12.613	271
	16.100	0.6228	0.65506	213	−432	9.143	17	+41	14.982	188	12.342	275
	17.097	0.6255	+0.65719	211	−331	+9.126	17	+63	+15.170	183	−12.067	279
	18.094	0.6282	0.65930	208	−173	9.109	17	+73	15.353	179	11.788	282
	19.092	0.6309	0.66138	206	+ 5	9.092	17	+67	15.532	175	11.506	285
	20.089	0.6337	0.66344	203	+163	9.075	17	+46	15.707	171	11.221	289
	21.086	0.6364	0.66547	200	+268	9.058	17	+12	15.878	165	10.932	292
	22.083	0.6391	0.66747	198	+292	9.041	16	−25	16.043	161	10.640	295
	23.081	0.6419	+0.66945	195	+232	+9.025	16	−57	+16.204	157	−10.345	297
	24.078	0.6446	0.67140	193	+109	9.009	15	−76	16.361	153	10.048	301
	25.075	0.6473	0.67333	191	− 37	8.994	15	−73	16.514	148	9.747	304
	26.072	0.6501	0.67524	188	−160	8.979	15	−54	16.662	143	9.443	307
	27.070	0.6528	0.67712	186	−227	8.964	15	−23	16.805	139	9.136	309
	28.067	0.6555	0.67898	184	−212	8.949	14	+16	16.944	134	8.827	312
	29.064	0.6582	+0.68082	181	−123	+8.935	14	+48	+17.078	128	− 8.515	315
	30.061	0.6610	0.68263	179	+ 16	8.921	13	+69	17.206	124	8.200	317
	31.059	0.6637	0.68442	178	+174	8.908	13	+73	17.330	119	7.883	319
Sept.	1.056	0.6664	0.68620	175	+314	8.895	13	+63	17.449	115	7.564	321
	2.053	0.6692	.068795	174	+401	8.882	12	+40	17.564	110	7.243	324
	3.051	0.6719	0.68969		+428	8.870		+11	17.674		6.919	

Reduktionsgrößen 1922

für 12h Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A'	B		B'	C		D	
1922												
Sept.	3.051	0.6719	+0.68969	172	+428	+8.870″	11	+11	+17.674″	104	−6.919″	326
	4.048	0.6746	0.69141	170	+390	8.859	11	−16	17.778	100	6.593	328
	5.045	0.6774	0.69311	168	+298	8.848	10	−42	17.878	94	6.265	330
	6.042	0.6801	0.69479	167	+171	8.838	10	−58	17.972	90	5.935	332
	7.040	0.6828	0.69646	165	+ 21	8.828	10	−65	18.062	85	5.603	333
	8.037	0.6856	0.69811	164	−135	8.818	9	−62	18.147	79	5.270	335
	9.034	0.6883	+0.69975	163	−276	+8.809	9	−49	+18.226	74	−4.935	337
	10.031	0.6910	0.70138	161	−386	8.800	8	−28	18.300	68	4.598	338
	11.029	0.6937	0.70299	160	−450	8.792	7	− 2	18.368	64	4.260	340
	12.026	0.6965	0.70459	159	−449	8.785	7	+29	18.432	58	3.920	342
	13.023	0.6992	0.70618	158	−377	8.778	6	+54	18.490	53	3.578	342
	14.021	0.7019	0.70776	157	−249	8.772	6	+70	18.543	48	3.236	343
	15.018	0.7047	+0.70933	156	− 87	+8.766	5	+72	+18.591	42	−2.893	344
	16.015	0.7074	0.71089	156	+ 76	8.761	4	+55	18.633	38	2.549	346
	17.012	0.7101	0.71245	155	+199	8.757	4	+27	18.671	31	2.203	346
	18.010	0.7129	0.71400	154	+253	8.753	3	−10	18.702	26	1.857	346
	19.007	0.7156	0.71554	154	+224	8.750	3	−46	18.728	21	1.511	348
	20.004	0.7183	0.71708	153	+125	8.747	2	−71	18.749	16	1.163	348
	21.001	0.7210	+0.71861	153	− 14	+8.745	1	−77	+18.765	10	−0.815	348
	21.999	0.7238	0.72014	153	−148	8.744	1	−65	18.775	4	0.467	349
	22.996	0.7265	0.72167	153	−231	8.743	0	−37	18.779	1	−0.118	349
	23.993	0.7292	0.72320	153	−244	8.743	0	− 1	18.778	7	+0.231	349
	24.990	0.7320	0.72473	153	−175	8.743	1	+35	18.771	12	0.580	349
	25.988	0.7347	0.72626	154	− 42	8.744	2	+62	18.759	17	0.929	349
	26.985	0.7374	+0.72780	154	+122	+8.746	3	+74	+18.742	22	+1.278	349
	27.982	0.7402	0.72934	154	+279	8.749	3	+69	18.720	28	1.627	349
	28.980	0.7429	0.73088	155	+394	8.752	4	+51	18.692	34	1.976	348
	29.977	0.7456	0.73243	156	+448	8.756	5	+24	18.658	39	2.324	348
	30.974	0.7484	0.73399	157	+436	8.761	6	− 5	18.619	45	2.672	347
Okt.	1.971	0.7511	0.73556	157	+364	8.767	6	−31	18.574	50	3.019	347
	2.969	0.7538	+0.73713	159	+246	+8.773	6	−51	+18.524	56	+3.366	345
	3.966	0.7565	0.73872	159	+101	8.779	7	−64	18.468	61	3.711	345
	4.963	0.7593	0.74031	160	− 54	8.786	8	−63	18.407	67	4.056	344
	5.960	0.7620	0.74191	162	−202	8.794	8	−56	18.340	72	4.400	343
	6.958	0.7647	0.74353	163	−324	8.802	9	−38	18.268	77	4.743	342
	7.955	0.7675	0.74516	165	−406	8.811	9	−12	18.191	83	5.085	340
	8.952	0.7702	+0.74681	166	−429	+8.820	10	+17	+18.108	88	+5.425	338
	9.950	0.7729	0.74847	168	−390	8.830	11	+45	18.020	94	5.763	337
	10.947	0.7757	0.75015	170	−289	8.841	12	+64	17.926	99	6.100	336
	11.944	0.7784	0.75185	171	−142	8.853	12	+73	17.827	105	6.436	334
	12.941	0.7811	0.75356	173	+ 17	8.865	12	+64	17.722	109	6.770	332
	13.939	0.7838	0.75529		+150	8.877		+41	17.613		7.102	

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A'	B		B'	C		D	
1922											
Okt. 13.939	0.7838	+0.75529	176	+150	+8″.877	12	+41	+17″.613	116	+ 7″.102	331
14.936	0.7866	0.75705	177	+225	8.889	13	+ 7	17.497	120	7.433	328
15.933	0.7893	0.75882	180	+223	8.902	14	−31	17.377	125	7.761	326
16.930	0.7920	0.76062	182	+142	8.916	14	−62	17.252	131	8.087	323
17.928	0.7948	0.76244	184	+ 11	8.930	14	−76	17.121	136	8.410	322
18.925	0.7975	0.76428	187	−135	8.944	14	−72	16.985	142	8.732	319
19.922	0.8002	+0.76615	189	−245	+8.958	15	−49	+16.843	145	+ 9.051	317
20.919	0.8030	0.76804	192	−287	8.973	16	−16	16.698	151	9.368	314
21.917	0.8057	0.76996	194	−246	8.989	16	+21	16.547	157	9.682	311
22.914	0.8084	0.77190	197	−130	9.005	16	+53	16.390	161	9.993	308
23.911	0.8112	0.77387	200	+ 35	9.021	17	+71	16.229	167	10.301	305
24.909	0.8139	0.77587	203	+209	9.038	17	+74	16.062	171	10.606	302
25.906	0.8166	+0.77790	205	+353	+9.055	18	+60	+15.891	176	+10.908	299
26.903	0.8193	0.77995	208	+442	9.073	18	+35	15.715	181	11.207	296
27.900	0.8221	0.78203	212	+461	9.091	18	+ 7	15.534	186	11.503	293
28.898	0.8248	0.78415	214	+413	9.109	19	−22	15.348	191	11.796	289
29.895	0.8275	0.78629	217	+312	9.128	19	−46	15.157	195	12.085	286
30.892	0.8303	0.78846	220	+177	9.147	18	−61	14.962	200	12.371	283
31.889	0.8330	+0.79066	223	+ 22	+9.165	19	−65	+14.762	205	+12.654	278
Nov. 1.887	0.8357	0.79289	226	−129	9.184	19	−60	14.557	209	12.932	274
2.884	0.8385	0.79515	230	−262	9.203	19	−46	14.348	213	13.206	271
3.881	0.8412	0.79745	233	−358	9.222	19	−23	14.135	218	13.477	267
4.879	0.8439	0.79978	236	−405	9.241	19	+ 4	13.917	222	13.744	263
5.876	0.8466	0.80214	239	−387	9.260	20	+33	13.695	227	14.007	259
6.873	0.8494	+0.80453	243	−308	+9.280	19	+58	+13.468	231	+14.266	254
7.870	0.8521	0.80696	246	−177	9.299	19	+71	13.237	234	14.520	250
8.868	0.8548	0.80942	249	− 21	9.318	19	+70	13.003	239	14.770	246
9.865	0.8576	0.81191	252	+124	9.337	20	+54	12.764	244	15.016	241
10.862	0.8603	0.81443	256	+221	9.357	19	+23	12.520	247	15.257	237
11.859	0.8630	0.81699	258	+246	9.376	19	−14	12.273	250	15.494	232
12.857	0.8658	+0.81957	262	+186	+9.395	19	−49	+12.023	255	+15.726	226
13.854	0.8685	0.82219	265	+ 63	9.414	19	−72	11.768	258	15.952	222
14.851	0.8712	0.82484	268	− 92	9.433	19	−76	11.510	263	16.174	218
15.849	0.8740	0.82752	271	−230	9.452	18	−61	11.247	266	16.392	213
16.846	0.8767	0.83023	274	−311	9.470	18	−32	10.981	269	16.605	208
17.843	0.8794	0.83297	277	−310	9.488	17	+ 5	10.712	272	16.813	202
18.840	0.8821	+0.83574	281	−224	+9.505	17	+42	+10.440	276	+17.015	198
19.838	0.8849	0.83855	284	− 73	9.522	17	+65	10.164	279	17.213	192
20.835	0.8876	0.84139	286	+107	9.539	17	+74	9.885	282	17.405	187
21.832	0.8903	0.84425	289	+277	9.556	17	+67	9.603	286	17.592	181
22.829	0.8931	0.84714	292	+399	9.573	17	+46	9.317	288	17.773	176
23.827	0.8958	0.85006		+453	9.590		+17	9.029		17.949	

Reduktionsgrößen 1922

für 12^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A'	B		B'	C		D	
1922					″			″		″	
Nov. 23.827	0.8958	+0.85006	294	+453	+9.590	17	+17	+9.029	292	+17.949	171
24.824	0.8985	0.85300	297	+437	9.607	16	−13	8.737	294	18.120	165
25.821	0.9013	0.85597	300	+355	9.623	15	−38	8.443	296	18.285	159
26.818	0.9040	0.85897	302	+234	9.638	14	−56	8.147	300	18.444	153
27.816	0.9067	0.86199	305	+ 86	9.652	14	−65	7.847	302	18.597	148
28.813	0.9094	0.86504	308	− 67	9.666	14	−62	7.545	305	18.745	142
29.810	0.9122	+0.86812	310	−210	+9.680	14	−51	+7.240	306	+18.887	137
30.808	0.9149	0.87122	312	−319	9.694	13	−31	6.934	309	19.024	131
Dez. 1.805	0.9176	0.87434	314	−383	9.707	12	− 6	6.625	311	19.155	124
2.802	0.9204	0.87748	317	−390	9.719	12	+23	6.314	314	19.279	118
3.799	0.9231	0.88065	319	−334	9.731	11	+49	6.000	316	19.397	113
4.797	0.9258	0.88384	320	−217	9.742	10	+68	5.684	317	19.510	106
5.794	0.9286	+0.88704	322	− 64	+9.752	10	+72	+5.367	318	+19.616	100
6.791	0.9313	0.89026	324	+ 94	9.762	9	+62	5.049	321	19.716	94
7.788	0.9340	0.89350	326	+217	9.771	9	+36	4.728	322	19.810	88
8.786	0.9368	0.89676	327	+275	9.780	8	+ 1	4.406	323	19.898	82
9.783	0.9395	0.90003	328	+248	9.788	8	−36	4.083	325	19.980	76
10.780	0.9422	0.90331	330	+145	9.796	7	−64	3.758	326	20.056	69
11.778	0.9449	+0.90661	331	− 6	+9.803	6	−77	+3.432	328	+20.125	63
12.775	0.9477	0.90992	332	−166	9.809	5	−70	3.104	329	20.188	57
13.772	0.9504	0.91324	333	−287	9.814	4	−46	2.775	329	20.245	51
14.769	0.9531	0.91657	334	−331	9.818	4	−11	2.446	330	20.296	44
15.767	0.9559	0.91991	335	−285	9.822	4	+27	2.116	331	20.340	38
16.764	0.9586	0.92326	336	−165	9.826	3	+56	1.785	331	20.378	31
17.761	0.9613	+0.92662	336	+ 7	+9.829	2	+72	+1.454	332	+20.409	25
18.758	0.9641	0.92998	337	+187	9.831	1	+72	1.122	333	20.434	18
19.756	0.9668	0.93335	337	+333	9.832	1	+56	0.789	332	20.452	12
20.753	0.9695	0.93672	337	+420	9.833	0	+29	0.457	333	20.464	5
21.750	0.9722	0.94009	337	+435	9.833	1	− 2	+0.124	333	20.469	0
22.747	0.9750	0.94346	337	+384	9.832	2	−30	−0.209	333	20.469	7
23.745	0.9777	+0.94683	336	+278	+9.830	3	−51	−0.542	333	+20.462	14
24.742	0.9804	0.95019	336	+136	9.827	3	−63	0.875	333	20.448	20
25.739	0.9832	0.95355	336	− 15	9.824	3	−64	1.208	332	20.428	26
26.737	0.9859	0.95691	336	−164	9.821	4	−57	1.540	332	20.402	33
27.734	0.9886	0.96027	335	−287	9.817	5	−41	1.872	331	20.369	40
28.731	0.9914	0.96362	334	−371	9.812	6	−16	2.203	330	20.329	46
29.728	0.9941	+0.96696	333	−402	+9.806	8	+12	−2.533	330	+20.283	53
30.726	0.9968	0.97029	332	−369	9.798	8	+39	2.863	329	20.230	58
31.723	0.9996	0.97361	331	−275	9.790	8	+61	3.192	328	20.172	64
32.720	1.0023	0.97692	330	−130	9.782	8	+72	3.520	326	20.108	71
33.717	1.0050	0.98022	329	+ 34	9.774	9	+70	3.846	325	20.037	78
34.715	1.0077	0.98351		+182	9.765		+48	4.171		19.959	

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1922				s		h m s
Jan. −2.5	+0.116319	−0.895822	−0.388571	−8.969	1.77298	11 22 49
+1.5	0.185457	0.885909	0.384272	8.928	1.77102	11 22 42
5.5	0.253654	0.871573	0.378055	8.887	1.76906	11 22 38
9.5	0.320566	0.852902	0.369959	8.847	1.76711	11 22 37
13.5	0.385871	0.830008	0.360029	8.809	1.76520	11 22 38
17.5	+0.449271	−0.803009	−0.348316	−8.771	1.76333	11 22 41
21.5	0.510464	0.772021	0.334872	8.735	1.76151	11 22 46
25.5	0.569138	0.737183	0.319759	8.700	1.75975	11 22 53
29.5	0.624987	0.698669	0.303054	8.667	1.75805	11 23 1
Febr. 2.5	0.677723	0.656687	0.284846	8.635	1.75641	11 23 10
6.5	+0.727089	−0.611467	−0.265234	−8.605	1.75484	11 23 20
10.5	0.772861	0.563255	0.244321	8.577	1.75335	11 23 30
14.5	0.814846	0.512290	0.222212	8.550	1.75194	11 23 40
18.5	0.852857	0.458808	0.199011	8.524	1.75060	11 23 50
22.5	0.886704	0.403059	0.174828	8.500	1.74933	11 23 58
26.5	+0.916212	−0.345320	−0.149785	−8.478	1.74813	11 24 5
März 2.5	0.941237	0.285893	0.124010	8.456	1.74699	11 24 11
6.5	0.961672	0.225087	0.097637	8.435	1.74590	11 24 14
10.5	0.977446	0.163215	0.070798	8.415	1.74486	11 24 16
14.5	0.988524	0.100573	0.043624	8.396	1.74387	11 24 15
18.5	+0.994872	−0.037441	−0.016237	−8.377	1.74290	11 24 12
22.5	0.996459	+0.025893	+0.011235	8.358	1.74194	11 24 6
26.5	0.993274	0.089122	0.038659	8.339	1.74099	11 23 58
30.5	0.985338	0.151931	0.065901	8.320	1.74003	11 23 46
April 3.5	0.972709	0.214006	0.092825	8.300	1.73907	11 23 33
7.5	+0.955479	+0.275046	+0.119303	−8.280	1.73809	11 23 16
11.5	0.933769	0.334775	0.145213	8.258	1.73707	11 22 57
15.5	0.907697	0.392941	0.170446	8.236	1.73600	11 22 36
19.5	0.877382	0.449291	0.194888	8.213	1.73489	11 22 13
23.5	0.842959	0.503562	0.218427	8.188	1.73373	11 21 49
27.5	+0.804594	+0.555494	+0.240950	−8.162	1.73250	11 21 23
Mai 1.5	0.762484	0.604834	0.262351	8.135	1.73120	11 20 55
5.5	0.716853	0.651355	0.282531	8.106	1.72982	11 20 27
9.5	0.667944	0.694864	0.301407	8.076	1.72837	11 19 59
13.5	0.615987	0.735193	0.318902	8.045	1.72683	11 19 30

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1922						h m s
Mai 13.5	+0.615987	+0.735193	+0.318902	−8.045	1.72683	11 19 30
17.5	0.561208	0.772176	0.334943	8.012	1.72522	11 19 1
21.5	0.503847	0.805644	0.349458	7.978	1.72353	11 18 33
25.5	0.444165	0.835436	0.362378	7.943	1.72177	11 18 6
29.5	0.382449	0.861407	0.373642	7.907	1.71995	11 17 40
Juni 2.5	+0.319004	+0.883443	+0.383202	−7.870	1.71806	11 17 15
6.5	0.254139	0.901468	0.391023	7.832	1.71611	11 16 51
10.5	0.188142	0.915427	0.397080	7.794	1.71410	11 16 30
14.5	0.121292	0.925272	0.401349	7.755	1.71204	11 16 10
18.5	+0.053877	0.930951	0.403810	7.715	1.70994	11 15 53
22.5	−0.013804	+0.932427	+0.404448	−7.676	1.70780	11 15 38
26.5	0.081434	0.929678	0.403256	7.637	1.70563	11 15 26
30.5	0.148684	0.922721	0.400240	7.598	1.70346	11 15 16
Juli 4.5	0.215238	0.911606	0.395421	7.559	1.70129	11 15 9
8.5	0.280807	0.896405	0.388828	7.521	1.69912	11 15 4
12.5	−0.345117	+0.877188	+0.380491	−7.483	1.69697	11 15 2
16.5	0.407892	0.854028	0.370443	7.446	1.69485	11 15 2
20.5	0.468849	0.827011	0.358722	7.411	1.69276	11 15 5
24.5	0.527699	0.796239	0.345375	7.376	1.69070	11 15 9
28.5	0.584149	0.761852	0.330462	7.343	1.68868	11 15 15
Aug. 1.5	−0.637930	+0.724022	+0.314055	−7.311	1.68673	11 15 23
5.5	0.688811	0.682934	0.296232	7.280	1.68486	11 15 31
9.5	0.736575	0.638768	0.277073	7.251	1.68305	11 15 41
13.5	0.781013	0.591705	0.256656	7.223	1.68130	11 15 51
17.5	0.821914	0.541936	0.235067	7.196	1.67963	11 16 1
21.5	−0.859067	+0.489671	+0.212398	−7.171	1.67804	11 16 12
25.5	0.892270	0.435148	0.188751	7.147	1.67651	11 16 21
29.5	0.921355	0.378636	0.164240	7.124	1.67506	11 16 30
Sept. 2.5	0.946193	0.320405	0.138981	7.102	1.67368	11 16 37
6.5	0.966679	0.260714	0.113088	7.081	1.67237	11 16 42
10.5	−0.982714	+0.199821	+0.086672	−7.061	1.67110	11 16 45
14.5	0.994207	0.137987	0.059850	7.041	1.66988	11 16 46
18.5	1.001071	0.075487	0.032741	7.022	1.66871	11 16 44
22.5	1.003238	+0.012620	+0.005475	7.003	1.66757	11 16 40
26.5	1.000679	−0.050295	−0.021813	6.984	1.66645	11 16 32

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	Y	Z	f	log g	G
1922						
Sept. 26.5	—1.000679	—0.050295	—0.021813	—6.984 s	1.66645	11 h 16 m 32 s
30.5	0.993411	0.112951	0.048991	6.965	1.66533	11 16 22
Okt. 4.5	0.981470	0.175056	0.075933	6.946	1.66420	11 16 7
8.5	0.964905	0.236333	0.102515	6.926	1.66306	11 15 50
12.5	0.943770	0.296503	0.128615	6.905	1.66188	11 15 30
16.5	—0.918133	—0.355282	—0.154109	—6.884	1.66066	11 15 7
20.5	0.888080	0.412373	0.178870	6.861	1.65939	11 14 41
24.5	0.853742	0.467471	0.202768	6.837	1.65805	11 14 13
28.5	0.815292	0.520293	0.225681	6.812	1.65663	11 13 42
Nov. 1.5	0.772921	0.570588	0.247499	6.785	1.65513	11 13 9
5.5	—0.726826	—0.618120	—0.268119	—6.757	1.65354	11 12 35
9.5	0.677211	0.662665	0.287441	6.727	1.65185	11 11 59
13.5	0.624285	0.704002	0.305369	6.695	1.65005	11 11 23
17.5	0.568283	0.741903	0.321806	6.662	1.64815	11 10 46
21.5	0.509475	0.776152	0.336661	6.627	1.64614	11 10 10
25.5	—0.448167	—0.806563	—0.349853	—6.591	1.64402	11 9 34
29.5	0.384671	0.832990	0.361319	6.554	1.64180	11 9 0
Dez. 3.5	0.319298	0.855313	0.371003	6.516	1.63948	11 8 26
7.5	0.252357	0.873426	0.378859	6.476	1.63707	11 7 55
11.5	0.184153	0.887233	0.384846	6.436	1.63457	11 7 26
15.5	—0.115010	—0.896643	—0.388925	—6.395	1.63198	11 7 0
19.5	—0.045279	0.901581	0.391066	6.353	1.62933	11 6 37
23.5	+0.024670	0.902015	0.391256	6.312	1.62663	11 6 17
27.5	0.094476	0.897953	0.389497	6.271	1.62390	11 6 1
31.5	0.163791	0.889431	0.385801	6.229	1.62114	11 5 48

$$\text{Red. in } \alpha = f + \tfrac{1}{15}\, g \sin(G + \alpha) \operatorname{tg} \delta$$
$$\text{Red. in } \delta = g \cos(G + \alpha)$$

Für α und δ sind ihre genäherten Werte für das Äquinoktium $\frac{t_1 + t_2}{2}$ zu setzen (t_1 das instantane wahre Äquinoktium, t_2 das Normaläquinoktium 1925.0); will man hingegen die auf das Äquinoktium t_2 bezogenen Koordinaten benutzen, so hat man noch die auf der folgenden Seite gegebenen Korrektionen anzubringen.

Korrektion der Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium (s. S. 367/369), berechnet für 1922.5, mit Hinzufügung ihrer einjährigen Änderung

α	δ +60°		+50°		+30°		+10°		−10°		−30°		−50°		−60°	
	Für Rektaszension (in 0ˢ.001)															
0ʰ	+2	−1	+1	−1	+1	0	0	0	0	0	0	0	−1	+1	−2	+1
1	+2	−2	+2	−1	+1	−1	0	0	0	0	0	0	−1	0	−1	+1
2	+3	−2	+2	−1	+1	−1	0	0	0	0	0	0	0	0	0	0
3	+3	−2	+2	−1	+1	−1	0	0	0	0	0	0	0	0	0	0
4	+2	−2	+1	−1	+1	0	0	0	0	0	0	0	0	0	+1	0
5	+1	−1	+1	−1	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	−1	+1	−1	+1	0	0	0	0	0	0	0	0	0	0	0	0
8	−2	+2	−1	+1	−1	0	0	0	0	0	0	0	0	0	0	0
9	−3	+2	−2	+1	−1	+1	0	0	0	0	0	0	0	0	0	0
10	−3	+2	−2	+1	−1	+1	0	0	0	0	0	0	0	0	0	0
11	−2	+2	−1	+1	−1	+1	0	0	0	0	0	0	+1	−1	+1	−1
12	−2	+1	−1	+1	0	0	0	0	0	0	+1	0	+1	−1	+2	−1
13	−1	+1	−1	0	0	0	0	0	0	0	+1	−1	+2	−1	+2	−2
14	0	0	0	0	0	0	0	0	0	0	+1	−1	+2	−1	+3	−2
15	0	0	0	0	0	0	0	0	0	0	+1	−1	+2	−1	+3	−2
16	+1	0	0	0	0	0	0	0	0	0	+1	0	+1	−1	+2	−2
17	0	0	0	0	0	0	0	0	0	0	0	0	+1	−1	+1	−1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	−1	+1	−1	+1
20	0	0	0	0	0	0	0	0	0	0	−1	0	−1	+1	−2	+2
21	0	0	0	0	0	0	0	0	0	0	−1	+1	−2	+1	−3	+2
22	0	0	0	0	0	0	0	0	0	0	−1	+1	−2	+1	−3	+2
23	+1	−1	+1	−1	0	0	0	0	0	0	−1	+1	−1	+1	−2	+2
24	+2	−1	+1	−1	+1	0	0	0	0	0	0	0	−1	+1	−2	+1
	Für Deklination (in 0″.01)															
0ʰ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	0	0	0
3	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	0	0
4	−2	+2	−2	+2	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	0	0
5	−2	+2	−2	+2	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	0	0
6	−2	+2	−2	+2	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	0	0
7	−2	+2	−2	+2	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	0	0
8	−2	+2	−2	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	0	0
9	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	0	0	0
10	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	0	−1	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	+1	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1
15	0	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1
16	0	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−2
17	0	0	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−2	+2	−2
18	0	0	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−2	+2	−2
19	0	0	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−2	+2	−2
20	0	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+2	−1	+2	−2
21	0	0	+1	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1
22	0	0	0	0	+1	0	+1	−1	+1	−1	+1	−1	+1	−1	+1	−1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Übertragung mittlerer Polsternörter von dem Äquinoktium t_1 auf $t_2 = 1922.0$

t_1	$90° - (N)$	$(m)+(N)-90°$	(n)
1755	+64′ 5″.65	+64′ 7″.85	+55′ 48″.50
1790	50 40.15	50 41.53	44 6.58
1800	46 49.97	46 51.14	40 46.04
1810	42 59.76	43 0.75	37 25.51
1825	37 14.41	37 15.15	32 24.72
1830	+35 19.28	+35 19.95	+30 44.46
1835	33 24.15	33 24.75	29 4.21
1840	31 29.01	31 29.54	27 23.95
1845	29 33.87	29 34.34	25 43.69
1850	27 38.72	27 39.13	24 3.44
1855	+25 43.57	+25 43.92	+22 23.19
1860	23 48.41	23 48.71	20 42.94
1865	21 53.24	21 53.50	19 2.69
1870	19 58.08	19 58.29	17 22.45
1875	18 2.90	18 3.08	15 42.20
1880	+16 7.72	+16 7.86	+14 1.96
1885	14 12.54	14 12.65	12 21.72
1890	12 17.35	12 17.43	10 41.48
1895	10 22.15	10 22.21	9 1.24
1900	8 26.95	8 26.99	7 21.01
1905	+ 6 31.74	+ 6 31.77	+ 5 40.78
1910	4 36.53	4 36.54	4 0.55
1915	2 41.31	2 41.32	2 20.32
1920	+ 0 46.09	+ 0 46.09	+ 0 40.09
1925	− 1 9.14	− 1 9.14	− 1 0.13

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für 1922.0, so hat man

$$a_1 = \alpha_1 + [90° - (N)]$$

$$p = \left(\operatorname{tang} \delta_1 + \cos a_1 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a = \frac{p \sin a_1}{1 - p \cos a_1}$$

$$\alpha_2 = a_1 + [(m)+(N)-90°] + \Delta a$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_2 - \delta_1) = \cos (a_1 + \tfrac{1}{2}\Delta a) \sec \tfrac{1}{2}\Delta a \operatorname{tang} \tfrac{1}{2}(n)$$

Reduktion von dem Äquinoktium t_2 auf t_1 siehe Erläuterungen.

Übertragung mittlerer Sternörter von dem Äquinoktium t_1 auf $t_2 = 1922.0$

t_1	$m^s(t_2-t_1)$	$\log[n^s(t_2-t_1)]$	$\log[n''(t_2-t_1)]$
1755	+8ᵐ 32ˢ.889	2.348785	3.524877
1790	6 45.440	2.246610	3.422702
1800	6 14.736	2.212387	3.388479
1810	5 44.030	2.175236	3.351327
1825	4 57.968	2.112776	3.288867
1830	+4 42.614	2.089788	3.265879
1835	4 27.258	2.065414	3.241505
1840	4 11.903	2.039805	3.215896
1845	3 56.546	2.012478	3.188569
1850	3 41.189	1.983314	3.159405
1855	+3 25.832	1.952051	3.128142
1860	3 10.475	1.918363	3.094954
1865	2 55.116	1.881842	3.057933
1870	2 39.757	1.841965	3.018056
1875	2 24.399	1.798054	2.974145
1880	+2 9.039	1.749201	2.925292
1885	1 53.679	1.694149	2.870240
1890	1 38.318	1.63109	2.80718
1895	1 22.957	1.55730	2.73339
1900	1 7.596	1.46836	2.64445
1905	+0 52.234	1.35638	2.53247
1910	0 36.873	1.20511	2.38120
1915	0 21.509	0.97102	2.14711
1920	+0 6.145	0.42694	1.60304
1925	−0 9.218	0.60303_n	1.77912_n

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1922.0$, ist ferner α', δ' der genäherte Sternort für die Zeit

$$\tfrac{1}{2}(t_1 + t_2),$$

so ist

$$\alpha_2 = \alpha_1 + m^s(t_2 - t_1) + [n^s(t_2-t_1)] \sin \alpha' \operatorname{tg} \delta'$$

$$\delta_2 = \delta_1 + [n''(t_2-t_1)] \cos \alpha'$$

α	$0^h, 12^h$		$1^h, 13^h$		$2^h, 14^h$		$3^h, 15^h$		$4^h, 16^h$		$5^h, 17^h$	
	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$	$+A_1-$	$+D-$
m	s	″	s	″	s	″	s	″	s	″	s	″
0	0.001	60.13	1.039	58.08	2.006	52.07	2.836	42.51	3.473	30.05	3.873	15.54
1	019	60.13	056	58.01	021	51.94	848	42.33	482	29.82	877	15.29
2	036	60.13	073	57.94	036	51.81	860	42.14	490	29.60	882	15.04
3	054	60.13	089	57.87	051	51.67	873	41.95	498	29.37	886	14.79
4	071	60.12	106	57.80	066	51.54	885	41.76	507	29.14	890	14.53
5	089	60.12	123	57.73	081	51.40	897	41.57	515	28.91	895	14.27
6	106	60.11	140	57.65	096	51.27	909	41.38	524	28.68	899	14.02
7	124	60.11	157	57.58	111	51.13	921	41.19	532	28.44	903	13.77
8	141	60.10	173	57.50	126	50.99	933	41.00	540	28.21	907	13.51
9	159	60.09	190	57.43	140	50.85	945	40.80	549	27.98	911	13.25
10	0.177	60.08	1.207	57.35	2.155	50.71	2.957	40.61	3.557	27.75	3.915	13.00
11	194	60.06	224	57.27	170	50.57	969	40.42	565	27.52	918	12.74
12	211	60.05	240	57.19	185	50.42	980	40.22	573	27.28	922	12.48
13	229	60.04	257	57.11	199	50.28	2.992	40.03	581	27.05	925	12.23
14	246	60.02	273	57.02	214	50.13	3.003	39.83	588	26.82	929	11.97
15	264	60.00	290	56.94	228	49.99	015	39.63	596	26.57	932	11.71
16	281	59.99	307	56.85	243	49.84	027	39.44	604	26.34	936	11.46
17	298	59.97	323	56.77	257	49.70	038	39.24	611	26.11	939	11.20
18	316	59.95	339	56.68	272	49.55	049	39.04	619	25.87	942	10.94
19	333	59.93	356	56.59	286	49.40	061	38.84	627	25.63	945	10.68
20	0.351	59.90	1.372	56.50	2.301	49.25	3.072	38.64	3.634	25.40	3.948	10.42
21	368	59.88	389	56.41	315	49.10	083	38.44	641	25.16	951	10.16
22	386	59.85	405	56.32	329	48.95	094	38.24	649	24.92	954	9.91
23	403	59.83	422	56.23	343	48.79	105	38.03	656	24.68	957	9.65
24	420	59.80	438	56.14	358	48.64	116	37.83	663	24.44	960	9.39
25	438	59.78	454	56.04	372	48.48	127	37.62	670	24.20	963	9.13
26	455	59.75	471	55.94	386	48.33	138	37.42	677	23.96	965	8.87
27	473	59.72	487	55.85	400	48.17	149	37.21	684	23.72	968	8.61
28	490	59.68	503	55.75	414	48.01	160	37.01	691	23.48	970	8.35
29	507	59.65	519	55.65	428	47.85	171	36.80	698	23.24	973	8.09
30	0.525	59.62	1.536	55.55	2.442	47.69	3.181	36.59	3.704	23.00	3.975	7.83
31	542	59.58	552	55.45	456	47.53	192	36.38	711	22.75	977	7.57
32	559	59.55	568	55.35	469	47.37	203	36.17	718	22.51	979	7.31
33	577	59.51	584	55.24	483	47.21	213	35.96	724	22.26	981	7.05
34	594	59.47	600	55.14	497	47.05	223	35.75	731	22.02	983	6.79
35	611	59.43	616	55.04	510	46.89	234	35.54	737	21.77	985	6.53
36	628	59.39	632	54.93	524	46.73	244	35.33	743	21.53	987	6.27
37	646	59.35	648	54.82	538	46.56	254	35.12	749	21.29	989	6.00
38	663	59.31	664	54.71	551	46.39	265	34.90	756	21.04	991	5.74
39	680	59.26	680	54.60	565	46.22	275	34.69	762	20.79	992	5.48
40	0.698	59.22	1.695	54.49	2.578	46.05	3.285	34.48	3.768	20.55	3.994	5.22
41	715	59.17	711	54.38	591	45.88	295	34.26	774	20.30	995	4.96
42	732	59.12	727	54.27	605	45.71	305	34.04	780	20.05	997	4.70
43	749	59.08	743	54.15	618	45.54	315	33.83	785	19.81	998	4.44
44	766	59.03	759	54.04	631	45.37	324	33.61	791	19.56	3.999	4.17
45	784	58.98	774	53.93	644	45.20	334	33.39	797	19.31	4.001	3.91
46	801	58.92	790	53.81	657	45.03	344	33.17	802	19.06	002	3.65
47	818	58.87	806	53.69	670	44.85	353	32.95	808	18.81	003	3.39
48	835	58.82	821	53.57	683	44.68	363	32.73	813	18.56	004	3.13
49	852	58.76	837	53.45	696	44.50	372	32.51	819	18.31	004	2.87
50	0.869	58.71	1.852	53.33	2.709	44.32	3.382	32.29	3.824	18.06	4.005	2.60
51	886	58.65	868	53.21	722	44.15	391	32.07	829	17.81	006	2.34
52	903	58.59	883	53.09	735	43.97	401	31.85	834	17.56	007	2.08
53	920	58.53	899	52.97	748	43.79	410	31.63	839	17.31	007	1.82
54	937	58.47	914	52.85	761	43.61	419	31.41	844	17.06	008	1.56
55	954	58.41	929	52.72	773	43.43	428	31.18	849	16.81	008	1.29
56	971	58.35	945	52.59	786	43.25	437	30.95	854	16.56	008	1.03
57	0.988	58.28	960	52.46	798	43.06	446	30.73	859	16.30	009	0.77
58	1.005	58.22	975	52.33	811	42.88	455	30.50	864	16.05	009	0.50
59	022	58.15	1.991	52.20	823	42.69	464	30.28	868	15.80	009	0.24
60	1.039	58.08	2.006	52.07	2.836	42.51	3.473	30.05	3.873	15.54	4.009	

α	6h, 18h		7h, 19h		8h, 20h		9h, 21h		10h, 22h		11h, 23h	
m	+A₁− s	−D+ "	+A₁− s	−D+ "	+A₁− s	−D+ "	+A₁− s	−D+ "	+A₁− s	−D+ "	+A₁− s	−D+ "
0	4.009	0.02	3.872	15.58	3.471	30.09	2.834	42.53	2.003	52.09	1.036	58.09
1	009	0.28	868	15.84	463	30.31	822	42.72	1.988	52.22	019	58.16
2	009	0 54	863	16.09	454	30.54	809	42.90	973	52.35	1.002	58.22
3	009	0.81	858	16.34	445	30.76	796	43.08	958	52.48	0.986	58.29
4	008	1.07	853	16.59	436	30.99	784	43.26	942	52.60	969	58.35
5	008	1 33	849	16.85	427	31.21	771	43.44	927	52.73	952	58.41
6	008	1.59	844	17.10	418	31.44	759	43.62	912	52.86	935	58.48
7	007	1.86	839	17.35	409	31.66	746	43.81	896	52.98	918	58.54
8	007	2.12	834	17.60	399	31.88	733	43.99	881	53.10	901	58.60
9	006	2.38	828	17.85	390	32.11	720	44.17	865	53.23	883	58.65
10	4.005	2.65	3.823	18.10	3.380	32.33	2.707	44.35	1.850	53.35	0.866	58.71
11	004	2.91	818	18.35	371	32.55	695	44.53	834	53.47	849	58.77
12	003	3.17	812	18.60	362	32.77	682	44.70	819	53.59	832	58.83
13	002	3.43	807	18.85	352	32.99	669	44.88	803	53.71	815	58.88
14	001	3.69	801	19.10	342	33.21	655	45.05	788	53.83	798	58.93
15	4.000	3.95	796	19.35	333	33.43	642	45.23	772	53.94	781	58.98
16	3.999	4.21	790	19.60	323	33.64	629	45.40	756	54.06	764	59.03
17	998	4.47	784	19.85	313	33.86	617	45.57	740	54.17	746	59.08
18	997	4.73	779	20.09	303	34.08	603	45.74	725	54.29	729	59.13
19	995	4.99	773	20.34	293	34.29	589	45.91	709	54.40	712	59.18
20	3.994	5.26	3.767	20.59	3.283	34.51	2.576	46.08	1.693	54.51	0.695	59.22
21	992	5.52	761	20.83	273	34.73	563	46.25	677	54.62	678	59.27
22	990	5.78	755	21.08	263	34.94	549	46.41	661	54.73	660	59.31
23	989	6.04	749	21.32	253	35.15	535	46.58	645	54.84	643	59.36
24	987	6.30	742	21.57	243	35.36	522	46.75	629	54.94	626	59.40
25	985	6.57	736	21.81	232	35.57	508	46.91	613	55.05	609	59.44
26	983	6.83	730	22.06	222	35.78	495	47.07	597	55.16	592	59.48
27	981	7.09	723	22.30	211	36.00	481	47.24	581	55.26	574	59.52
28	979	7.35	717	22.55	201	36.21	467	47.40	565	55.36	557	59.55
29	977	7.62	710	22.79	190	36.42	453	47.56	549	55.46	539	59.58
30	3.975	7.87	3.703	23.03	3.180	36.62	2.439	47.72	1.533	55.56	0.522	59.62
31	972	8.13	697	23.27	169	36.83	426	47.88	517	55.67	505	59.66
32	970	8.39	690	23.51	158	37.04	412	48.04	501	55.77	487	59.69
33	967	8.65	683	23.76	148	37.25	398	48.20	484	55.86	470	59.72
34	964	8.91	676	24.00	137	37.45	384	48.35	468	55.96	452	59.75
35	962	9.17	669	24.24	126	37.66	369	48.51	452	56.05	435	59.78
36	959	9.42	662	24.48	115	37.86	355	48.66	435	56.15	418	59.81
37	957	9.68	655	24.72	104	38.06	341	48.82	419	56.24	400	59.84
38	954	9.94	648	24.96	093	38.27	327	48.97	403	56.33	383	59.86
39	951	10.20	640	25.20	081	38.47	313	49.12	386	56.42	366	59.88
40	3.948	10.46	3.633	25.43	3.070	38.67	2.298	49.27	1.370	56.51	0.348	59.91
41	945	10.72	626	25.67	059	38.87	284	49.42	353	56.60	331	59.93
42	942	10.98	618	25.91	048	39.07	270	49.57	337	56.69	313	59.95
43	938	11.24	610	26.15	036	39.27	255	49.72	320	56.78	296	59.97
44	935	11.49	603	26.38	025	39.47	241	49.86	304	56.87	278	59.99
45	932	11.75	595	26.61	013	39.66	226	50 01	287	56.95	261	60.01
46	928	12.01	587	26.85	3.002	39.86	212	50.16	271	57.03	244	60.03
47	925	12.27	580	27.08	2.990	40.06	197	50.30	254	57.11	226	60.04
48	921	12.52	572	27.32	978	40.25	182	50.44	238	57.20	209	60.05
49	918	12.78	564	27.55	967	40.45	168	50.59	221	57.28	191	60.06
50	3.914	13.03	3.556	27.78	2.955	40.64	2.153	50.73	1.204	57.36	0.174	60.08
51	910	13.29	548	28.02	943	40.83	138	50.87	188	57.44	156	60.09
52	906	13.55	539	28.25	931	41.03	123	51.01	171	57.51	139	60.10
53	902	13.80	531	28.48	919	41.22	108	51.15	154	57.59	121	60.11
54	898	14.06	523	28.71	907	41.41	094	51.29	137	57.66	104	60.12
55	894	14.31	514	28.94	895	41.60	079	51.42	121	57.73	086	60.12
56	890	14.57	506	29.17	883	41.79	064	51.56	104	57.81	069	60.13
57	885	14.82	497	29.40	871	41.98	049	51.69	087	57.88	051	60.13
58	881	15.08	489	29.63	858	42.16	034	51.82	070	57.95	034	60.13
59	877	15.33	480	29.86	846	42.35	018	51.96	053	58.02	016	60.13
60	3.872	15.58	3.471	30.09	2.834	42.53	2.003	52.09	1.036	58.09		60.13

Übertragung von Sternörtern vom mittleren Äquinoktium 1922.0 auf das Normaläquinoktium 1925.0 (Fortsetzung)

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	s	s	″	h m	h m	s	s	″	h m
0 0	+9.218	+0.0000	−0.000	12 0	6 0	+9.218	−0.0000	−0.009	18 0
10	218	01	000	10	10	218	01	009	10
20	218	01	000	20	20	218	01	009	20
30	218	02	000	30	30	218	02	009	30
40	218	02	000	40	40	218	02	009	40
50	218	03	000	50	50	218	03	008	50
1 0	+9.218	+0.0003	−0.001	13 0	7 0	+9.218	−0.0003	−0.008	19 0
10	218	03	001	10	10	218	03	008	10
20	218	04	001	20	20	218	04	008	20
30	218	04	001	30	30	218	04	007	30
40	219	05	001	40	40	218	05	007	40
50	219	05	001	50	50	218	05	007	50
2 0	+9.219	+0.0005	−0.002	14 0	8 0	+9.218	−0.0005	−0.007	20 0
10	219	05	002	10	10	218	05	006	10
20	219	05	002	20	20	218	05	006	20
30	219	06	003	30	30	218	06	006	30
40	219	06	003	40	40	218	06	005	40
50	219	06	004	50	50	218	06	005	50
3 0	+9.219	+0.0006	−0.004	15 0	9 0	+9.218	−0.0006	−0.004	21 0
10	219	06	005	10	10	218	06	004	10
20	219	06	005	20	20	218	06	003	20
30	219	06	006	30	30	218	06	003	30
40	219	05	006	40	40	218	05	002	40
50	219	05	006	50	50	218	05	002	50
4 0	+9.219	+0.0005	−0.007	16 0	10 0	+9.218	−0.0005	−0.002	22 0
10	219	05	007	10	10	218	05	001	10
20	219	05	007	20	20	218	05	001	20
30	218	04	007	30	30	218	04	001	30
40	218	04	008	40	40	218	04	001	40
50	218	03	008	50	50	218	03	001	50
5 0	+9.218	+0.0003	−0.008	17 0	11 0	+9.218	−0.0003	−0.001	23 0
10	218	03	008	10	10	218	03	000	10
20	218	02	009	20	20	218	02	000	20
30	218	02	009	30	30	218	02	000	30
40	218	01	009	40	40	218	01	000	40
50	218	01	009	50	50	218	01	000	50
6 0	+9.218	+0.0000	−0.009	18 0	12 0	+9.218	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1922} + A + A_1 \operatorname{tg} \delta_{1922} + A_2 \operatorname{tg}^2 \delta_{1922}$$

$$\delta_{1925} = \delta_{1922} + D + D_1 \operatorname{tg} \delta_{1922}$$

A_1 und D sind in der Tafel (S. 372/373) mit dem Argument α_{1922} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Finsternisse, Sternbedeckungen, Trabanten

Konstellationen, Hülfstafeln

1922

Im Jahre 1922 finden zwei Sonnenfinsternisse statt. Der Mond wird nicht verfinstert.

I. Ringförmige Sonnenfinsternis 1922 März 27—28

Konjunktion in Rektaszension März 28, $1^h 11^m 36^s.7$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$0^h 25^m 59^s.19$
Stündliche Änderung	1 54.33
Rektaszension der Sonne	0 25 59.19
Stündliche Änderung	9.10
Deklination des Mondes	$+2° 58' 16''.9$
Stündliche Änderung	+9 16.2
Deklination der Sonne	+2 48 33.7
Stündliche Änderung	+58.6
Äquatorialhorizontalparallaxe des Mondes . .	$54' 20''.0$
» der Sonne . . .	8.8
Halbmesser des Mondes	$14' 47''.6$
» der Sonne	16 1.1

		Mittlere Zeit Greenwich	Westl. Länge von Greenwich	Geographische Breite
Beginn der Finsternis überhaupt	März 27	$22^h\ 1^m.2$	58° 24'	−11° 19'
Beginn der zentralen Finsternis	» 27	23 9.0	75 32	− 7 43
Zentrale Finsternis im wahren Mittag	» 28	1 11.6	16 34	+13 14
Ende der zentralen Finsternis	» 28	3 1.4	312 34	+27 29
Ende der Finsternis überhaupt	» 28	4 9.2	329 43	+23 53

Grenzkurven für die Sichtbarkeit der Finsternis

Westliche Grenze		Südliche Grenze		Östliche Grenze		Nördliche Grenze		Zentralkurve				
λ	φ	λ	φ	λ	φ	λ	φ	Mittlere Zeit Greenwich	λ	φ	Dauer der ringförmigen Verfinsterung	
°	°	°	°	°	°	°	°	h m	°	°	m	s
87.0	+30.2	75.1	−41.0	312.7	− 5.9	298.5	+65.1		75.5	− 7.7		
90.2	+28.7	57.7	−39.2	308.9	− 5.1	319.8	+65.3	23 10	68.2	− 7.2	5	32
92.4	+24.4	47.4	−37.4	303.7	+ 0.2	331.3	+64.8	20	53.5	− 4.9	6	6
93.2	+20.6	35.1	−34.1	300.9	+ 6.0	346.4	+63.2	50	37.4	+ 0.4	6	58
93.7	+11.5	22.0	−28.9	297.8	+16.4	357.6	+61.4	0 20	28.4	+ 5.3	7	31
93.2	− 0.2	11.0	−22.8	295.6	+29.5	9.7	+58.3	50	21.4	+10.0	7	48
92.3	− 7.9	357.1	−13.9	294.4	+39.2	24.6	+52.8	1 20	14.7	+14.5	7	49
90.2	−19.3	347.9	− 9.6	293.8	+50.3	34.4	+48.0	50	7.0	+18.9	7	33
87.1	−29.4	341.7	− 7.7	293.8	+57.2	49.3	+39.8	2 20	356.8	+23.1	6	59
81.4	−38.4	332.2	− 6.2	295.5	+63.5	62.1	+34.4	50	338.1	+27.0	6	4
78.8	−40.2	323.6	− 5.7	297.6	+64.9	78.8	+30.8	3 0	322.2	+27.7	5	32
75.1	−41.0	312.7	− 5.9	298.5	+65.1	87.0	+30.2		312.5	+27.5		

Die Finsternis beginnt in Südamerika, ist sichtbar in Süd- und Mittelamerika, in Afrika mit Ausnahme des Südens, in Europa mit Ausnahme des Nordens und im südwestlichen Asien.

Elemente der ringförmigen Sonnenfinsternis 1922 März 27–28

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
h m					° ′		
22 0	—1.54819	—0.30945	8.68232	9.99950	328 39.5	+0.56874	+0.02271
10	1.46742	0.28394	8.68274	9.99950	331 9.5	0.56874	0.02271
20	1.38664	0.25842	8.68316	9.99949	333 39.6	0.56874	0.02271
30	1.30586	0.23291	8.68358	9.99949	336 9.6	0.56874	0.02271
40	1.22508	0.20739	8.68400	9.99949	338 39.6	0.56874	0.02271
50	1.14429	0.18188	8.68441	9.99949	341 9.7	0.56873	0.02270
23 0	—1.06350	—0.15636	8.68482	9.99949	343 39.7	+0.56873	+0.02270
10	0.98271	0.13085	8.68524	9.99949	346 9.8	0.56873	0.02270
20	0.90191	0.10533	8.68566	9.99949	348 39.8	0.56872	0.02269
30	0.82111	0.07982	8.68607	9.99949	351 9.9	0.56872	0.02269
40	0.74031	0.05431	8.68648	9.99949	353 39.9	0.56872	0.02268
50	0.65951	0.02880	8.68689	9.99949	356 9.9	0.56871	0.02268
0 0	—0.57870	—0.00329	8.68730	9.99949	358 40.0	+0.56870	+0.02267
10	0.49789	+0.02222	8.68772	9.99948	1 10.0	0.56870	0.02267
20	0 41709	0.04773	8.68813	9.99948	3 40.1	0.56869	0.02266
30	0.33628	0.07324	8.68854	9.99948	6 10.1	0.56868	0.02265
40	0.25547	0.09875	8.68895	9.99948	8 40.2	0.56867	0.02264
50	0.17466	0.12426	8.68936	9.99948	11 10.2	0.56866	0.02263
1 0	—0.09384	+0.14976	8.68977	9.99948	13 40.3	+0.56865	+0.02262
10	—0.01303	0.17527	8.69018	9.99948	16 10.3	0.56864	0.02261
20	+0.06778	0.20077	8.69059	9.99948	18 40.3	0.56863	0.02260
30	0.14860	0.22627	8.69100	9.99948	21 10.4	0.56862	0.02259
40	0.22941	0 25177	8.69141	9.99948	23 40.4	0.56861	0.02258
50	0.31022	0.27727	8.69182	9.99947	26 10.5	0.56860	0.02257
2 0	+0.39104	+0.30277	8.69222	9.99947	28 40.5	+0.56859	+0.02256
10	0.47186	0.32827	8.69263	9.99947	31 10.6	0.56857	0.02254
20	0.55267	0.35377	8.69304	9.99947	33 40.6	0.56856	0.02253
30	0.63348	0.37926	8.69345	9.99947	36 10.6	0.56854	0.02252
40	0.71430	0.40475	8.69386	9.99947	38 40.7	0.56853	0.02250
50	0.79511	0.43024	8.69426	9.99947	41 10.7	0.56851	0.02249
3 0	+0.87592	+0.45573	8.69466	9.99947	43 40.8	+0.56850	+0.02247
10	0.95674	0.48122	8.69507	9.99947	46 10.8	0.56848	0.02245
20	1.03755	0.50671	8.69548	9.99947	48 40.9	0.56847	0.02244
30	1.11836	0.53219	8.69589	9.99946	51 10.9	0.56845	0.02242
40	1.19917	0.55767	8 69629	9.99946	53 40.9	0.56843	0.02240
50	1.27998	0.58315	8.69669	9.99946	56 11.0	0.56841	0.02238
4 0	+1.36079	+0.60863	8.69709	9.99946	58 41.0	+0.56839	+0.02236
10	1.44159	0.63411	8.69749	9.99946	61 11.1	0.56837	0.02234

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
h m				
22 0	+0.008078	+0.002552	7.67063	7.66846
23 0	8079	2552	7.67062	7.66845
0 0	8081	2551	7.67062	7.66845
1 0	8082	2550	7.67061	7.66844
2 0	8082	2550	7.67061	7.66844
3 0	8081	2549	7.67060	7.66843
4 0	8080	2548	7.67060	7.66843
5 0	8080	2546	7.67059	7.66842

Ringförmige Sonnenfinsternis 1922 März 27—28

φ	Östl. Länge von Greenwich	Anfang der Finsternis			Größte Phase		Ende der Finsternis		
		Mittl. Zeit Greenwich	P	Q	Mittl. Zeit Greenwich	Betrag	Mittl Zeit Greenwich	P	Q
	m	h m	°	°	h m		h m	°	°
	25	1 11.1	209.4	187.2	2 25.8	0.39	3 34.2	104.5	63.0
	35	1 14.1	210.8	186.1	2 28.7	0.41	3 36.7	103.9	61.7
	45	1 17.1	212.1	185.0	2 31.4	0.43	3 39.0	103.5	60.6
45°	55	1 20.1	213.4	184.0	2 33.9	0.44	3 41.0	103.2	59.6
	65	1 23.1	214.6	183.1	2 36.3	0.45	3 42.7	102.9	58.9
	75	1 25.9	215.7	182.3	2 38.5	0.46	3 44.1	102.7	58.3
	85	1 28.6	216.6	181.6	2 40.6	0.46	3 45.3	102.5	57.8
	25	1 13.0	207.7	185.9	2 25.3	0.37	3 31.8	106.4	66.1
	35	1 15.9	209.1	184.8	2 28.1	0.39	3 34.3	105.9	64.7
	45	1 18.7	210.4	183.8	2 30.7	0.40	3 36.6	105.4	63.5
46°	55	1 21.5	211.6	182.9	2 33.2	0.41	3 38.6	105.0	62.6
	65	1 24.3	212.8	182.1	2 35.5	0.42	3 40.4	104.7	61.8
	75	1 27.0	213.9	181.4	2 37.7	0.43	3 41.9	104.5	61.2
	85	1 29.6	214.9	180.7	2 39.7	0.44	3 43.1	104.3	60.7
	25	1 14.9	205.9	184.5	2 24.7	0.34	3 29.3	108.3	69.3
	35	1 17.6	207.4	183.5	2 27.4	0.36	3 31.9	107.8	67.8
	45	1 20.3	208.7	182.6	2 30.0	0.37	3 34.2	107.3	66.6
47°	55	1 23.0	209.9	181.8	2 32.4	0.38	3 36.2	106.9	65.6
	65	1 25.6	211.0	181.0	2 34.7	0.39	3 38.0	106.6	64.8
	75	1 28.1	212.1	180.3	2 36.8	0.40	3 39.5	106.4	64.1
	85	1 30.6	213.1	179.7	2 38.8	0.41	3 40.7	106.2	63.6
	25	1 16.8	204.2	183.1	2 24.1	0.32	3 26.6	110.3	72.5
	35	1 19.4	205.6	182.2	2 26.7	0.34	3 29.4	109.8	71.0
	45	1 21.9	206.9	181.4	2 29.2	0.35	3 31.7	109.3	69.7
48°	55	1 24.4	208.1	180.6	2 31.6	0.36	3 33.7	108.9	68.7
	65	1 26.9	209.2	179.9	2 33.9	0.37	3 35.5	108.5	67.8
	75	1 29.3	210.3	179.3	2 36.0	0.38	3 37.0	108.3	67.1
	85	1 31.7	211.3	178.7	2 37.9	0.39	3 38.3	108.1	66.6
	25	1 18.8	202.4	181.6	2 23.5	0.29	3 23.8	112.3	75.7
	35	1 21.2	203.8	180.8	2 26.0	0.31	3 26.6	111.8	74.2
	45	1 23.6	205.1	180.1	2 28.4	0.32	3 29.0	111.3	72.9
49°	55	1 25.0	206.3	179.4	2 30.8	0.33	3 31.0	110.9	71.8
	65	1 28.3	207.4	178.8	2 33.0	0.34	3 32.8	110.5	70.9
	75	1 30.6	208.4	178.2	2 35.0	0.35	3 34.4	110.2	70.2
	85	1 32.8	209.4	177.7	2 36.9	0.36	3 35.7	110.0	69.6
	25	1 20.9	200.6	180.1	2 22.8	0.27	3 20.8	114.4	79.0
	35	1 23.2	201.9	179.4	2 25.2	0.29	3 23.6	113.8	77.5
	45	1 25.4	203.2	178.7	2 27.6	0.30	3 26.1	113.3	76.1
50°	55	1 27.6	204.4	178.1	2 29.9	0.31	3 28.2	112.9	75.0
	65	1 29.8	205.6	177.6	2 32.1	0.32	3 30.1	112.5	74.0
	75	1 31.9	206.6	177.1	2 34.1	0.33	3 31.7	112.2	73.2
	85	1 34.0	207.5	176.6	2 35.9	0.33	3 33.0	112.0	72.6

Ringförmige Sonnenfinsternis 1922 März 27—28

φ	Östl. Länge von Greenwich	Anfang der Finsternis			Größte Phase		Ende der Finsternis		
		Mittl. Zeit Greenwich	P	Q	Mittl. Zeit Greenwich	Betrag	Mittl Zeit Greenwich	P	Q
	m	h m	°	°	h m		h m	°	°
	25	1 23.0	198.7	178.5	2 22.1	0.25	3 17.7	116.6	82.4
	35	1 25.1	200.0	177.9	2 24.5	0.26	3 20.5	116.0	80.8
	45	1 27.2	201.3	177.3	2 26.8	0.27	3 23.0	115.4	79.4
51°	55	1 29.3	202.5	176.8	2 29.1	0.28	3 25.3	114.9	78.2
	65	1 31.3	203.7	176.4	2 31.2	0.29	3 27.2	114.5	77.2
	75	1 33.3	204.7	175.9	2 33.1	0.30	3 28.8	114.2	76.3
	85	1 35.3	205.6	175.5	2 34.9	0.31	3 30.2	114.0	75.7
	25	1 25.3	196.7	176.8	2 21.4	0.22	3 14.5	118.8	85.8
	35	1 27.2	198.1	176.3	2 23.7	0.24	3 17.3	118.1	84.2
	45	1 29.1	199.4	175.9	2 26.0	0.25	3 19.9	117.5	82.7
52°	55	1 31.0	200.6	175.5	2 28.2	0.26	3 22.1	117.0	81.4
	65	1 32.9	201.7	175.1	2 30.2	0.27	3 24.1	116.6	80.4
	75	1 34.8	202.7	174.7	2 32.1	0.28	3 25.8	116.3	79.5
	85	1 36.6	203.7	174.3	2 33.8	0.28	3 27.2	116.0	78.9
	25	1 27.6	194.7	175.1	2 20.6	0.20	3 11.1	121.0	89.3
	35	1 29.3	196.1	174.7	2 22.9	0.21	3 14.0	120.3	87.6
	45	1 31.0	197.4	174.4	2 25.1	0.22	3 16.6	119.7	86.1
53°	55	1 32.8	198.6	174.0	2 27.3	0.23	3 18.9	119.1	84.8
	65	1 34.5	199.7	173.7	2 29.3	0.24	3 20.9	118.7	83.7
	75	1 36.2	200.7	173.4	2 31.1	0.25	3 22.6	118.4	82.8
	85	1 37.9	201.7	173.1	2 32.7	0.26	3 24.1	118.1	82.1
	25	1 30.0	192.5	173.3	2 19.8	0.18	3 7.5	123.4	92.9
	35	1 31.5	194.0	173.0	2 22.1	0.19	3 10.5	122.7	91.2
	45	1 33.0	195.3	172.8	2 24.3	0.20	3 13.1	122.0	89.6
54°	55	1 34.6	196.5	172.5	2 26.4	0.21	3 15.4	121.4	88.3
	65	1 36.2	197.6	172.2	2 28.3	0.22	3 17.5	120.9	87.1
	75	1 37.8	198.6	172.0	2 30.0	0.23	3 19.3	120.5	86.2
	85	1 39.4	199.6	171.8	2 31.6	0.23	3 20.8	120.2	85.4
	25	1 32.5	190.3	171.4	2 19.0	0.15	3 3.7	125.9	96.7
	35	1 33.8	191.7	171.2	2 21.3	0.16	3 6.7	125.0	94.9
	45	1 35.2	193.1	171.1	2 23.4	0.17	3 9.4	124.3	93.2
55°	55	1 36.6	194.3	170.9	2 25.4	0.18	3 11.9	123.7	91.7
	65	1 38.1	195.5	170.7	2 27.2	0.19	3 14.0	123.2	90.5
	75	1 39.6	196.5	170.5	2 28.9	0.20	3 15.8	122.8	89.5
	85	1 41.0	197.5	170.3	2 30.4	0.21	3 17.4	122.4	88.7

P, *Q* Winkelabstand vom Punkt größter Deklination (*P*) bzw. Höhe (*Q*)

II. Totale Sonnenfinsternis 1922 September 20

Konjunktion in Rektaszension Sept. 20, $16^h 47^m 17^s.9$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$11^h 50^m 30^s.63$
Stündliche Änderung	2 25.21
Rektaszension der Sonne	11 50 30.63
Stündliche Änderung	8.98
Deklination des Mondes	$+0° 48' 0''.3$
Stündliche Änderung	−11 53.1
Deklination der Sonne	+1 1 42.7
Stündliche Änderung	−58.3
Äquatorialhorizontalparallaxe des Mondes . .	$61' 24''.1$
» der Sonne . . .	8.8
Halbmesser des Mondes	$16' 43''.0$
» der Sonne	15 56.0

	Mittl. Zeit Greenwich	Westl. Länge von Greenwich	Geographische Breite
Beginn der Finsternis überhaupt .	$14^h 4^m.3$	302° 54′	+ 9° 50′
Beginn der zentralen Finsternis . .	14 59.9	316 43	+ 5 30
Zentrale Finsternis im wahren Mittag	16 47.3	253 29	−11 59
Ende der zentralen Finsternis . .	18 20.6	187 24	−30 15
Ende der Finsternis überhaupt . .	19 16.2	201 13	−25 54

Grenzkurven für die Sichtbarkeit der Finsternis

Westliche Grenze		Südliche Grenze		Östliche Grenze		Nördliche Grenze		Zentralkurve			
λ	φ	λ	φ	λ	φ	λ	φ	Mittlere Zeit Greenwich	λ	φ	Dauer der Totalität
318°.3	+36°.4	323°.9	−30°.5	181°.2	−66°.0	185°.9	+ 0°.9	h m	316°.7	+ 5°.5	m s
319.9	+36.1	307.1	−31.3	178.9	−65.3	200.6	+ 1.9	15 5	300.0	+ 4.9	3 23
322.4	+34.6	292.9	−34.4	174.7	−56.8	215.7	+ 4.8	35	277.5	+ 0.3	4 52
327.2	+25.5	279.1	−40.1	173.4	−44.9	230.9	+10.9	16 5	266.1	− 4.7	5 39
329.4	+14.7	265.7	−47.0	173.4	−36.3	242.8	+17.7	35	257.0	− 9.8	5 58
330.7	+ 1.4	244.4	−56.2	174.1	−25.4	257.4	+25.4	17 5	248.1	−15.1	5 49
330.6	−15.2	226.4	−61.2	176.8	−10.5	276.4	+32.2	35	237.2	−20.7	5 11
329.2	−24.5	215.1	−63.2	181.7	− 1.0	288.5	+34.6	18 5	219.3	−26.6	4 2
326.0	−29.9	201.7	−64.9	184.1	+ 0.5	303.8	+36.1	20	194.4	−30.0	2 53
323.9	−30.5	181.2	−66.0	185.9	+ 0.9	318.3	+36.4		187.4	−30.2	

Die Finsternis beginnt im östlichen Afrika, ist sichtbar in den südlichen Ländern Asiens, in Australien und in Polynesien.

Elemente der totalen Sonnenfinsternis 1922 September 20

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
h m					° ′		
14 0	—1.55007	+0.27295	8.27247	9.99992	211 38.4	+0.53295	—0.01291
10	1.45744	0.24326	8.27141	9.99992	214 8.5	0.53296	0.01290
20	1.36480	0.31358	8.27034	9.99992	216 38.5	0.53297	0.01289
30	1.27216	0.18389	8.26927	9.99992	219 8.6	0.53298	0.01288
40	1.17952	0.15420	8.26820	9.99993	221 38.6	0.53299	0.01287
50	1.08687	0.12451	8.26712	9.99993	224 8.7	0.53299	0.01286
15 0	—0.99422	+0.09481	8.26604	9.99993	226 38.7	+0.53300	—0.01285
10	0.90157	0.06512	8.26496	9.99993	229 8.8	0.53301	0.01284
20	0.80892	0.03543	8.26388	9.99993	231 38.8	0.53302	0.01284
30	0.71626	+0.00574	8.26279	9.99993	234 8.9	0.53302	0.01283
40	0.62360	—0.02396	8.26170	9.99993	236 38.9	0.53303	0.01283
50	0.53094	0.05365	8.26061	9.99993	239 9.0	0.53303	0.01282
16 0	—0.43828	—0.08334	8.25952	9.99993	241 39.0	+0.53303	—0.01282
10	0.34562	0.11304	8.25842	9.99993	244 9.1	0.53304	0.01282
20	0.25296	0.14273	8.25732	9.99993	246 39.1	0.53304	0.01282
30	0.16029	0.17242	8.25622	9.99993	249 9.2	0.53304	0.01281
40	—0.06763	0.20211	8.25511	9.99993	251 39.2	0.53304	0.01281
50	+0.02503	0.23181	8.25400	9.99993	254 9.3	0.53304	0.01281
17 0	+0.11770	—0.26150	8.25289	9.99993	256 39.3	+0.53304	—0.01281
10	0.21036	0.29119	8.25178	9.99993	259 9.4	0.53304	0.01282
20	0.30302	0.32088	8.25066	9.99993	261 39.4	0.53303	0.01282
30	0.39568	0.35057	8.24954	9.99993	264 9.5	0.53303	0.01282
40	0.48834	0.38026	8.24842	9.99993	266 39.5	0.53303	0.01283
50	0.58100	0.40995	8.24729	9.99993	269 9.6	0.53302	0.01283
18 0	+0.67365	—0.43964	8.24616	9.99993	271 39.6	+0.53302	—0.01284
10	0.76631	0.46932	8.24503	9.99993	274 9.7	0.53301	0.01284
20	0.85896	0.49901	8.24390	9.99993	276 39.7	0.53300	0.01285
30	0.95161	0.52869	8.24276	9.99993	279 9.8	0.53300	0.01286
40	1.04425	0.55838	8.24162	9.99993	281 39.8	0.53299	0.01286
50	1.13690	0.58806	8.24048	9.99993	284 9.9	0.53298	0.01287
19 0	+1.22954	—0.61774	8.23933	9.99993	286 39.9	+0.53297	—0.01288
10	1.32218	0.64742	8.23818	9.99994	289 10.0	0.53296	0.01289
20	+1.41481	—0.67709	8.23702	9.99994	291 40.0	+0.53295	—0.01290

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
h m				
14 0	+0.009263	—0.002969	7.66812	7.66595
15 0	9265	2969	7.66813	7.66596
16 0	9266	2969	7.66813	7.66596
17 0	9266	2969	7.66814	7.66597
18 0	9265	2969	7.66814	7.66597
19 0	9264	2968	7.66815	7.66598
20 0	9262	2967	7.66815	7.66598

I. Verzeichnis von Fixsternen, welche in Mitteleuropa vom Monde bedeckt werden

Nr.	Name	Gr.	$\alpha_{1922.0}$	$\delta_{1922.0}$	Nr.	Name	Gr.	$\alpha_{1922.0}$	$\delta_{1922.0}$
			h m s	° ′				h m s	° ′
1607	Piscium	6.3	0 1 4	− 0 56.2	331	Tauri	5.7	4 52 52	+17 2.0
14	Piscium	6.3	0 13 47	+ 1 15.3	363	Tauri	5.1	5 19 52	+17 18.7
19	Piscium	6.0	0 21 24	+ 1 30.5	366	Tauri	5.3	5 22 37	+17 53.8
46	Piscium	6.5	0 47 17	+ 2 57.7	370	Tauri	6.0	5 23 30	+17 10.5
59	Piscium	6.2	1 0 50	+ 5 14.3	375	Tauri	5.5	5 27 43	+17 0.1
61	Piscium	6.4	1 1 47	+ 4 29.6	381	Tauri	5.5	5 32 32	+16 59.6
66	*e* Piscium	5.6	1 4 21	+ 5 14.3	393	Tauri	5.0	5 42 53	+17 42.1
74	Piscium	6.2	1 10 39	+ 6 35.0	427	Orionis	5.7	6 9 55	+17 55.8
85	Piscium	6.4	1 24 17	+ 7 33.5	433	B. D. +17° 1191	6.5	6 11 52	+17 12.5
87	μ Piscium	5.0	1 26 6	+ 5 44.6	437	Orionis	6.2	6 14 30	+17 21.4
105	o Piscium	4.5	1 41 16	+ 8 45.9	441	Orionis	6.5	6 16 53	+17 48.1
133	ξ^1 Ceti	4.5	2 8 52	+ 8 28.9	453	B. D. +17° 1275	6.2	6 26 39	+16 59.7
139	ξ Arietis	5.5	2 20 38	+10 15.5	467	Geminorum	5.2	6 37 52	+17 43.4
142	Arietis	6.5	2 23 14	+ 9 51.2	484	Geminorum	6.0	6 58 3	+16 47.3
153	Arietis	5.7	2 32 23	+12 6.6	497	Geminorum	5.3	7 8 54	+16 17.6
163	Arietis	5.2	2 40 42	+12 7.1	503	λ Geminorum	3.6	7 13 37	+16 40.9
183	Arietis	5.8	3 2 7	+12 53.2	520	Geminorum	5.2	7 29 10	+15 59.7
208	Tauri	6.4	3 33 25	+15 10.5	540	Cancri	6.0	7 52 34	+16 0.0
251	Tauri	5.9	4 3 17	+14 57.3	560	Cancri	6.1	8 6 36	+14 51.7
261	Tauri	6.3	4 11 20	+15 12.4	576	Cancri	5.9	8 24 16	+14 28.2
266	γ Tauri	3.9	4 15 21	+15 26.4	581	Cancri	6.4	8 29 26	+13 31.5
280	Tauri	5.7	4 18 56	+16 35.8	600	A^1 Cancri	5.5	8 38 55	+12 57.7
287	Tauri	6.4	4 21 10	+15 45.8	604	A^2 Cancri	5.7	8 42 40	+12 23.8
293	Tauri	5.2	4 23 59	+16 11.2	611	Cancri	5.7	8 51 40	+11 55.5
296	θ^1 Tauri	4.2	4 24 7	+15 47.4	614	α Cancri	4.3	8 54 13	+12 9.6
297	θ^2 Tauri	3.6	4 24 12	+15 41.9	628	Cancri	6.5	9 5 32	+11 53.0
302	Tauri	4.8	4 26 6	+16 1.5	634	Cancri	6.3	9 13 38	+11 49.7
309	Tauri	6.5	4 29 10	+16 9.6	645	*h* Leonis	5.2	9 27 47	+10 3.6
313	α Tauri Aldebaran	1.1	4 31 27	+16 21.2	667	Leonis	5.9	9 52 18	+ 9 18.2
316	Tauri	5.8	4 33 41	+15 52.7	669	Leonis	6.2	9 54 0	+ 8 41.2

Die auf S. 382—385 angegebenen Nummern beziehen sich auf den Catalogue of Zodiacal Stars by H. B. Hedrick (in Astronomical Papers of the American Ephemeris Vol. VIII, Part III)

I. Verzeichnis von Fixsternen, welche in Mitteleuropa vom Monde bedeckt werden

Nr.	Name	Gr.	$\alpha_{1922.0}$	$\delta_{1922.0}$	Nr.	Name	Gr.	$\alpha_{1922.0}$	$\delta_{1922.0}$
671	π Leonis	4.9	9h 56m 6s	+ 8° 25.1′	1094	Ophiuchi	6.5	16h 55m 12s	−18° 7.7′
689	Leonis	6.3	10 18 56	+ 6 56.4	1096	Ophiuchi	6.4	16 57 17	−18 46.3
690	Leonis	6.5	10 19 12	+ 6 5.4	1157	Ophiuchi	6.3	17 51 20	−18 47.4
706	Sextantis	6.1	10 39 18	+ 5 9.5	1188	Sagittarii	6.1	18 10 56	−18 41.2
720	*d* Leonis	5.0	10 56 32	+ 4 2.2	1196	Sagittarii	6.4	18 14 8	−18 39.0
726	*p*¹ Leonis	5.7	11 2 56	+ 2 22.8	1201	*Y* Sagittarii (var.)	5.4	18 16 48	−18 53.7
736	Leonis	5.4	11 13 17	+ 2 26.4	1212	Sagittarii	5.7	18 25 37	−18 46.8
737	Leonis	6.0	11 14 55	+ 2 4.7	1266	Sagittarii	6.4	19 2 35	−18 51.6
743	Leonis	5.5	11 20 2	+ 1 50.2	1285	ρ Sagittarii	4.0	19 17 9	−17 59.7
765	Virginis	6.2	11 45 3	+ 0 6.9	1287	Sagittarii	6.0	19 17 18	−18 27.2
778	Virginis	6.4	11 57 2	− 1 19.9	1357	Capricorni	6.4	20 24 20	−16 0.0
823	Virginis	6.3	12 43 31	− 5 52.5	1364	Capricorni	6.2	20 26 42	−15 19.1
872	*m* Virginis	5.2	13 37 31	− 8 18.6	1374	τ Capricorni	5.2	20 34 55	−15 13.8
880	Virginis	6.2	13 43 6	− 9 19.1	1396	Capricorni	5.9	20 54 23	−14 47.1
919	Librae	6.3	14 19 14	−11 21.5	1418	Aquarii	6.5	21 11 43	−13 31.6
921	Librae	6.5	14 20 29	−11 19.0	1432	Aquarii	6.5	21 24 0	−11 54.4
929	Librae	6.2	14 32 51	−11 58.5	1443	Capricorni	6.2	21 35 17	−10 55.7
936	Librae	6.4	14 43 39	−12 30.7	1462	Aquarii	6.5	21 49 26	−10 40.8
937	μ Librae	5.4	14 45 2	−13 49.5	1489	θ Aquarii	4.3	22 12 43	− 8 10.3
967	ο Librae	6.2	15 16 40	−15 16.1	1490	Aquarii	6.0	22 12 46	− 9 25.8
981	ζ Librae	5.6	15 28 31	−16 35.4	1511	Aquarii	6.3	22 34 16	− 8 18.2
996	η Librae	5.5	15 39 41	−15 25.5	1518	Aquarii	6.4	22 39 10	− 7 22.3
1007	θ Librae	4.4	15 49 23	−16 30.1	1529	Aquarii	5.8	22 51 8	− 5 24.2
1020	Librae	5.4	15 55 57	−16 18.3	1531	Aquarii	6.3	22 53 15	− 5 13.6
1060	χ Ophiuchi	4.9	16 22 30	−18 16.8	1538	Aquarii	6.1	22 57 30	− 5 7.9
1073	Scorpii	5.0	16 37 4	−17 35.5	1559	Aquarii	6.5	23 16 13	− 4 20.6

II. Konjunktionszeiten der in Mitteleuropa sichtbaren Sternbedeckungen

Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)			Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)			Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)		
			h	m				h	m				h	m
1432	6.5	Jan. 1	6	15.1	503	3.6	Febr. 9	5	43.9	313	1.1	April 29	6	43.9
1489	4.3	2	7	36.0	520	5.2	9	11	49.9	453	6.2	Mai 1	8	34.2
1529	5.8	3	3	57.9	581	6.4	10	11	27.7	520	5.2	2	11	5.7
1531	6.3	3	5	5.5	600	5.5	10	15	11.4	689	6.3	5	11	54.7
1538	6.1	3	7	21.2	604	5.7	10	16	40.1	690	6.5	5	12	1.6
74	6.2	6	5	28.3	645	5.2	11	10	33.4	736	5.4	6	11	34.0
85	6.4	6	12	22.3	689	6.3	12	7	10.0	737	6.0	6	12	16.8
331	5.7	10	10	55.4	690	6.5	12	7	16.4	778	6.4	7	6	36.5
393	5.6	11	7	2.7	706	6.1	12	15	29.6	937	5.4	10	6	23.4
427	5.7	11	17	42.0	737	6.0	13	6	13.2	1007	4.4	11	9	16.5
467	5.2	12	4	36.9	743	5.5	13	8	21.4	1096	6.4	12	13	41.9
484	6.0	12	12	28.0	967	6.2	17	14	37.3	1364	6.2	16	11	24.9
497	5.3	12	16	40.7	331	5.7	März 6	4	41.6	1374	5.2	16	15	24.5
503	3.6	12	18	30.7	427	5.7	7	13	27.8	1529	5.8	19	13	11.9
560	6.1	13	15	10.4	433	6.5	7	14	16.3	1531	6.3	19	14	19.1
604	5.7	14	5	24.2	484	6.0	8	9	16.9	19	6.0	21	13	5.7
611	5.7	14	8	59.4	497	5.3	8	13	42.0	427	5.7	28	7	36.2
614	4.3	14	10	0.6	560	6.1	9	13	3.4	497	5.3	29	8	13.5
628	6.5	14	14	32.6	611	5.7	10	7	13.7	560	6.1	30	8	24.2
669	6.2	15	10	15.8	614	4.3	10	8	15.6	628	6.5	31	9	27.3
671	4.9	15	11	7.7	628	6.5	10	12	49.6	671	4.9	Juni 1	7	20.1
726	5.7	16	15	15.9	669	6.2	11	8	27.5	720	5.0	2	9	55.9
778	6.4	17	14	47.0	671	4.9	11	9	18.6	765	6.2	3	7	29.5
823	6.3	18	11	24.1	720	5.0	12	10	1.7	880	6.2	5	11	44.2
937	5.4	20	18	8.6	736	5.4	12	16	55.5	1060	4.9	8	8	1.0
981	5.6	21	13	46.6	737	6.0	12	17	36.0	1201	5.4	10	8	48.4
14	6.3	Febr. 1	6	42.2	765	6.2	13	6	4.2	1212	5.7	10	12	39.2
59	6.2	2	7	27.9	778	6.4	13	11	3.1	1285	4.0	11	11	32.8
66	5.6	2	9	17.5	937	5.4	16	9	41.4	1287	6.0	11	11	36.8
105	4.5	3	4	13.5	1007	4.4	17	13	11.4	1462	6.5	14	12	50.2
153	5.7	4	5	30.6	183	5.8	31	7	46.4	706	6.1	29	7	43.9
163	5.2	4	9	31.2	331	5.7	April 2	10	35.7	919	6.3	Juli 3	9	18.2
208	6.4	5	10	7.5	393	5.6	3	8	25.7	1266	6.4	8	12	56.2
280	5.7	6	6	21.2	520	5.2	5	5	28.7	1374	5.2	10	7	46.1
293	5.2	6	8	32.4	581	6.4	6	6	41.6	1490	6.0	12	8	32.7
313	1.1	6	11	45.5	600	5.5	6	10	39.4	183	5.8	18	14	32.8
363	5.1	7	8	9.0	604	5.7	6	12	13.5	393	5.6	21	13	51.7
366	5.3	7	9	17.0	645	5.2	7	7	6.8	967	6.2	31	15	47.0
370	6.0	7	9	38.8	706	6.1	8	13	9.9	1020	5.4	Aug. 1	8	58.0
427	5.7	8	4	30.0	743	5.5	9	6	19.6	1094	6.5	2	10	51.8
433	6.5	8	5	16.8	967	6.2	13	9	26.7	1096	6.4	2	11	46.9
437	6.2	8	6	19.9	1188	6.1	16	11	52.8	1157	6.3	3	11	33.2
441	6.5	8	7	17.1	1196	6.4	16	13	18.5	1357	6.4	6	9	38.4
467	5.2	8	15	38.1	1201	5.4	16	14	29.6	1364	6.2	6	10	46.5
497	5.3	9	3	52.7	1443	6.2	20	13	58.2	1374	5.2	6	14	43.6

II. Konjunktionszeiten der in Mitteleuropa sichtbaren Sternbedeckungen

Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	h m	Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	h m	Nr.	Größe	Konjunktion in Rektaszension (Mittl. Zeit Greenw.)	h m
1418	6.5	Aug. 7	8 43.4	46	6.5	Okt. 5	13 45.7	720	5.0	Nov. 13	13 16.9
1490	6.0	8	15 35.2	87	5.0	6	10 10.1	1201	5.4	21	4 31.3
19	6.0	11	11 34.6	139	5.5	7	14 14.4	1285	4.0	22	6 16.8
61	6.4	12	9 2.6	142	6.5	7	15 33.6	1287	6.0	22	6 20.7
287	6.4	16	11 37.8	183	5.8	8	10 59.4	1396	5.9	24	2 43.4
293	5.2	16	12 54.2	251	5.9	9	16 33.5	1462	6.5	25	5 46.8
296	4.2	16	12 58.0	316	5.8	10	6 48.6	1511	6.3	26	4 45.4
297	3.6	16	13 0.4	331	5.7	10	15 39.4	1518	6.4	26	7 18.4
302	4.8	16	13 51.6	375	5.5	11	7 29.1	1559	6.5	27	2 49.5
309	6.5	16	15 14.8	381	5.5	11	9 39.0	1607	6.3	28	2 44.7
313	1.1	16	16 16.1	393	5.6	11	14 17.2	46	6.5	29	3 23.6
363	5.1	17	13 35.6	453	6.2	12	9 38.2	61	6.4	29	11 3.8
370	6.0	17	15 9.4	467	5.2	12	14 32.7	139	5.5	Dez. 1	3 46.3
433	6.5	18	11 39.1	520	5.2	13	12 46.5	142	6.5	1	5 4.8
437	6.2	18	12 44.9	576	5.9	14	12 23.7	266	3.9	3	10 55.7
441	6.5	18	13 44.5	581	6.4	14	14 35.9	287	6.4	3	13 35.8
503	3.6	19	13 3.9	689	6.3	16	13 8.0	293	5.2	3	14 53.0
880	6.2	26	5 48.1	1007	4.4	22	5 43.0	296	4.2	3	14 56.8
936	6.4	27	7 41.7	1357	6.4	27	4 15.3	302	4.8	3	15 51.0
996	5.5	28	7 44.7	1364	6.2	27	5 23.1	309	6.5	3	17 15.2
1073	5.0	29	8 31.4	1374	5.2	27	9 19.1	313	1.1	3	18 17.3
1212	5.7	31	8 22.6	1490	6.0	29	10 18.3	331	5.7	4	3 57.9
1285	4.0	Sept. 1	7 53.0	19	6.0	Nov. 1	6 28.2	363	5.1	4	15 59.8
1418	6.5	3	14 54.0	61	6.4	2	3 51.3	366	5.3	4	17 12.6
1462	6.5	4	9 55.8	87	5.0	2	16 34.5	370	6.0	4	17 36.0
1518	6.4	5	11 39.6	183	5.8	4	17 5.3	427	5.7	5	13 54.6
1559	6.5	6	7 11.6	287	6.4	6	6 43.5	437	6.2	5	15 53.6
1607	6.3	7	7 3.8	293	5.2	6	8 1.7	441	6.5	5	16 55.7
46	6.5	8	7 41.1	296	4.2	6	8 5.5	503	3.6	6	17 24.2
61	6.4	8	15 21.8	297	3.6	6	8 8.0	540	6.0	7	10 11.0
139	5.5	10	8 20.4	302	4.8	6	9 0.4	560	6.1	7	16 14.7
142	6.5	10	9 39.8	309	6.5	6	10 25.7	667	5.9	9	14 26.8
251	5.9	12	10 37.7	313	1.1	6	11 28.6	872	5.2	13	18 24.5
261	6.3	12	14 24.5	363	5.1	7	9 30.9	929	6.2	14	18 7.4
266	3.9	12	16 16.8	366	5.3	7	10 45.0	1374	5.2	21	2 41.7
331	5.7	13	9 31.0	370	6.0	7	11 8.7	1607	6.3	25	10 32.4
484	6.0	15	16 1.3	427	5.7	8	7 48.4	46	6.5	26	11 13.0
614	4.3	17	16 13.6	437	6.2	8	9 49.5	87	5.0	27	7 45.5
667	5.9	18	16 5.4	441	6.5	8	10 52.6	133	4.5	28	5 56.3
919	6.3	23	6 18.3	503	3.6	9	11 45.2	139	5.5	28	11 56.0
921	6.5	23	6 49.6	520	5.2	9	18 32.4	142	6.5	28	13 15.2
1188	6.1	27	8 4.4	560	6.1	10	10 52.4	251	5.9	30	13 47.6
1196	6.4	27	9 29.2	576	5.9	10	18 35.1	313	1.1	31	2 43.0
1559	6.5	Okt. 3	13 18.4	628	6.5	11	12 37.2	331	5.7	31	12 21.5
1607	6.3	4	13 11.3	634	6.3	11	16 9.9				

Verfinsterungen: E. Eintritte, A. Austritte

TRABANT I			TRABANT I			TRABANT I			TRABANT I		
	h m			h m			h m			h m	
Jan. 0	15 3.3	E.	März 21	6 14.7	E.	Juni 7	5 22.4	A.	Aug. 25	20 55.9	A.
2	9 31.5	E.	23	0 43.0	E.	8	23 51.1	A.	27	15 24.6	A.
4	3 59.7	E.	24	19 11.4	E.	10	18 19.8	A.	29	9 53.3	A.
5	22 27.9	E.	26	13 39.8	E.	12	12 48.5	A.	31	4 22.1	A.
7	16 56.2	E.	28	8 8.2	E.	14	7 17.2	A.	Sept. 1	22 50.8	A.
9	11 24.4	E.	30	2 36.6	E.	16	1 45.9	A.	3	17 19.5	A.
11	5 52.6	E.	31	21 5.0	E.	17	20 14.7	A.	5	11 48.2	A.
13	0 20.8	E.	April 2	15 33.4	E.	19	14 43.4	A.	7	6 17.0	A.
14	18 49.0	E.	4	10 1.8	E.	21	9 12.1	A.	9	0 45.6	A.
16	13 17.2	E.	4	12 13.8	A.	23	3 40.8	A.	10	19 14.4	A.
18	7 45.4	E.	6	6 42.2	A.	24	22 9.6	A.	12	13 43.0	A.
20	2 13.7	E.	8	1 10.6	A.	26	16 38.3	A.	14	8 11.8	A.
21	20 41.9	E.	9	19 39.1	A.	28	11 7.1	A.	16	2 40.4	A.
23	15 10.1	E.	11	14 7.5	A.	30	5 35.8	A.	17	21 9.1	A.
25	9 38.3	E.	13	8 36.0	A.	Juli 2	0 4.6	A.	19	15 37.8	A.
27	4 6.5	E.	15	3 4.5	A.	3	18 33.3	A.	21	10 6.5	A.
28	22 34.7	E.	16	21 32.9	A.	5	13 2.1	A.	23	4 35.1	A.
30	17 2.9	E.	18	16 1.4	A.	7	7 30.8	A.	24	23 3.9	A.
Febr. 1	11 31.2	E.	20	10 29.9	A.	9	1 59.6	A.	26	17 32.5	A.
3	5 59.4	E.	22	4 58.4	A.	10	20 28.3	A.			
5	0 27.6	E.	23	23 26.9	A.	12	14 57.1	A.	Nov. 18	17 39.0	E.
6	18 55.8	E.	25	17 55.5	A.	14	9 25.8	A.	20	12 7.6	E.
8	13 24.1	E.	27	12 24.0	A.	16	3 54.6	A.	22	6 36.0	E.
10	7 52.3	E.	29	6 52.6	A.	17	22 23.3	A.	24	1 4.6	E.
12	2 20.5	E.	Mai 1	1 21.1	A.	19	16 52.1	A.	25	19 33.0	E.
13	20 48.7	E.	2	19 49.7	A.	21	11 20.8	A.	27	14 1.5	E.
15	15 17.0	E.	4	14 18.2	A.	23	5 49.6	A.	29	8 29.9	E.
17	9 45.3	E.	6	8 46.8	A.	25	0 18.4	A.	Dez. 1	2 58.5	E.
19	4 13.5	E.	8	3 15.4	A.	26	18 47.2	A.	2	21 26.8	E.
20	22 41.8	E.	9	21 44.0	A.	28	13 15.9	A.	4	15 55.3	E.
22	17 10.0	E.	11	16 12.6	A.	30	7 44.7	A.	6	10 23.7	E.
24	11 38.3	E.	13	10 41.2	A.	Aug. 1	2 13.4	A.	8	4 52.2	E.
26	6 6.6	E.	15	5 9.8	A.	2	20 42.2	A.	9	23 20.6	E.
28	0 34.8	E.	16	23 38.4	A.	4	15 10.9	A.	11	17 49.1	E.
März 1	19 3.1	E.	18	18 7.0	A.	6	9 39.7	A.	13	12 17.4	E.
3	13 31.4	E.	20	12 35.7	A.	8	4 8.4	A.	15	6 45.9	E.
5	7 59.7	E.	22	7 4.4	A.	9	22 37.2	A.	17	1 14.2	E.
7	2 28.0	E.	24	1 33.0	A.	11	17 5.9	A.	18	19 42.7	E.
8	20 56.3	E.	25	20 1.6	A.	13	11 34.7	A.	20	14 11.0	E.
10	15 24.6	E.	27	14 30.3	A.	15	6 3.4	A.	22	8 39.5	E.
12	9 53.0	E.	29	8 59.0	A.	17	0 32.2	A.	24	3 7.8	E.
14	4 21.3	E.	31	3 27.7	A.	18	19 0.9	A.	25	21 36.2	E.
15	22 49.6	E.	Juni 1	21 56.3	A.	20	13 29.7	A.	27	16 4.5	E.
17	17 18.0	E.	3	16 25.0	A.	22	7 58.4	A.	29	10 33.0	E.
19	11 46.3	E.	5	10 53.7	A.	24	2 27.2	A.	31	5 1.3	E.

Verfinsterungen: E. Eintritte, A. Austritte

TRABANT II

		h	m	
Jan.	2	3	35.9	E.
	5	16	53.9	E.
	9	6	11.2	E.
	12	19	29.3	E.
	16	8	46.7	E.
	19	22	4.8	E.
	23	11	22.2	E.
	27	0	40.5	E.
	30	13	57.9	E.
Febr.	3	3	16.3	E.
	6	16	33.8	E.
	10	5	52.2	E.
	13	19	9.7	E.
	17	8	28.2	E.
	20	21	45.8	E.
	24	11	4.3	E.
	28	0	22.0	E.
März	3	13	40.6	E.
	7	2	58.2	E.
	10	16	16.9	E.
	14	5	34.6	E.
	17	18	53.3	E.
	21	8	11.1	E.
	24	21	29.8	E.
	28	10	47.7	E.
April	1	0	6.4	E.
	4	13	24.3	E.
	4	16	0.9	A.
	8	5	19.4	A.
	11	18	37.2	A.
	15	7	55.7	A.
	18	21	13.5	A.
	22	10	32.0	A.
	25	23	49.8	A.
	29	13	8.3	A.
Mai	3	2	26.1	A.
	6	15	44.6	A.
	10	5	2.4	A.
	13	18	20.8	A.
	17	7	38.7	A.
	20	20	57.0	A.
	24	10	14.9	A.
	27	23	33.1	A.
	31	12	50.9	A.

TRABANT II

		h	m	
Juni	4	2	9.1	A.
	7	15	26.9	A.
	11	4	45.0	A.
	14	18	2.8	A.
	18	7	20.8	A.
	21	20	38.4	A.
	25	9	56.4	A.
	28	23	14.1	A.
Juli	2	12	31.9	A.
	6	1	49.5	A.
	9	15	7.3	A.
	13	4	24.8	A.
	16	17	42.4	A.
	20	7	0.0	A.
	23	20	17.5	A.
	27	9	34.9	A.
	30	22	52.3	A.
Aug.	3	12	9.7	A.
	7	1	27.0	A.
	10	14	44.3	A.
	14	4	1.5	A.
	17	17	18.7	A.
	21	6	35.9	A.
	24	19	53.1	A.
	28	9	10.2	A.
	31	22	27.2	A.
Sept.	4	11	44.2	A.
	8	1	1.2	A.
	11	14	18.2	A.
	15	3	35.1	A.
	18	16	52.0	A.
	22	6	8.9	A.
	25	19	25.7	A.
Nov.	18	0	11.0	E.
	21	13	27.8	E.
	25	2	44.5	E.
	28	16	1.3	E.
Dez.	2	5	18.0	E.
	5	18	34.8	E.
	9	7	51.6	E.
	12	21	8.3	E.
	16	10	25.2	E.
	19	23	42.0	E.

TRABANT II

		h	m	
Dez.	23	12	58.8	E.
	27	2	15.7	E.
	30	15	32.5	E.

TRABANT III

		h	m	
Jan.	0	0	26.4	A.
	7	1	47.4	E.
	7	4	22.5	A.
	14	5	44.5	E.
	14	8	18.5	A.
	21	9	41.9	E.
	21	12	14.7	A.
	28	13	39.3	E.
	28	16	11.0	A.
Febr.	4	17	37.5	E.
	4	20	8.1	A.
	11	21	35.2	E.
	12	0	4.8	A.
	19	1	33.1	E.
	19	4	1.6	A.
	26	5	30.5	E.
	26	7	57.9	A.
März	5	9	27.9	E.
	5	11	54.2	A.
	12	13	25.7	E.
	19	17	23.7	E.
	26	21	22.5	E.
April	3	1	21.0	E.
	3	3	43.0	A.
	10	7	40.6	A.
	17	11	37.8	A.
	24	15	35.0	A.
Mai	1	17	15.0	E.
	1	19	32.7	A.
	8	21	13.9	E.
	8	23	30.6	A.
	16	1	13.7	E.
	16	3	29.4	A.
	23	5	13.1	E.
	23	7	27.8	A.
	30	9	12.5	E.
	30	11	26.1	A.
Juni	6	13	11.6	E.
	6	15	24.2	A.

TRABANT III

		h	m	
Juni	13	17	10.6	E.
	13	19	22.2	A.
	20	21	10.1	E.
	20	23	20.6	A.
	28	1	9.5	E.
	28	3	19.0	A.
Juli	5	5	9.8	E.
	5	7	18.3	A.
	12	9	9.5	E.
	12	11	17.0	A.
	19	13	9.2	E.
	19	15	15.8	A.
	26	17	8.4	E.
	26	19	14.0	A.
Aug.	2	21	7.5	E.
	2	23	12.2	A.
	10	1	7.0	E.
	10	3	10.7	A.
	17	5	6.5	E.
	17	7	9.2	A.
	24	9	6.5	E.
	24	11	8.4	A.
	31	13	6.1	E.
	31	15	7.1	A.
Sept.	7	17	5.5	E.
	7	19	5.6	A.
	14	21	4.4	E.
	14	23	3.7	A.
	22	3	1.6	A.
Nov.	18	8	53.3	E.
	25	12	51.5	E.
	25	14	43.3	A.
Dez.	2	16	50.4	E.
	2	18	41.5	A.
	9	20	48.5	E.
	9	22	39.2	A.
	17	0	46.4	E.
	17	2	36.6	A.
	24	4	43.9	E.
	24	6	33.5	A.
	31	8	41.3	E.
	31	10	30.4	A.

Mittlere Zeit Greenwich	α	β	p_a	a	b	U'	B'	P'
1922	″	″	″	″	″	°	°	°
Jan. −2.5	17.59	15.78	−0.05	39.62	+4.61	12.521	+3.996	−27.389
+1.5	17.72	15.90	0.05	39.90	4.67	12.642	4.056	27.375
5.5	17.84	16.02	0.05	40.18	4.72	12.762	4.115	27.360
9.5	17.97	16.13	0.05	40.46	4.76	12.882	4.175	27.346
13.5	18.09	16.24	0.04	40.75	4.80	13.003	4.235	27.331
17.5	18.22	16.35	−0.04	41.03	+4.82	13.123	+4.294	−27.317
21.5	18.35	16.46	0.04	41.31	4.83	13.244	4.354	27.302
25.5	18.47	16.57	0.04	41.58	4.84	13.364	4.414	27.288
29.5	18.59	16.68	0.04	41.85	4.84	13.485	4.473	27.273
Febr. 2.5	18.70	16.78	0.03	42.11	4.82	13.605	4.533	27.259
6.5	18.81	16.88	−0.03	42.36	+4.79	13.726	+4.593	−27.244
10.5	18.91	16.97	0.03	42.60	4.75	13.847	4.652	27.229
14.5	19.01	17.06	0.02	42.82	4.70	13.967	4.712	27.214
18.5	19.10	17.14	0.02	43.03	4.65	14.088	4.771	27.198
22.5	19.18	17.21	0.02	43.22	4.59	14.209	4.831	27.183
26.5	19.26	17.28	−0.01	43.39	+4.51	14.329	+4.890	−27.167
März 2.5	19.32	17.33	0.01	43.54	4.43	14.450	4.950	27.151
6.5	19.38	17.38	0.01	43.66	4.34	14.571	5.009	27.135
10.5	19.42	17.42	0.00	43.76	4.25	14.691	5.069	27.119
14.5	19.46	17.45	0.00	43.84	4.15	14.812	5.128	27.103
18.5	19.48	17.47	−0.00	43.89	+4.05	14.932	+5.187	−27.087
22.5	19.50	17.49	0.00	43.92	3.94	15.053	5.246	27.070
26.5	19.50	17.49	0.00	43.92	3.83	15.174	5.306	27.053
30.5	19.49	17.48	0.00	43.90	3.71	15.294	5.365	27.036
April 3.5	19.47	17.46	0.00	43.86	3.60	15.415	5.424	27.019
7.5	19.44	17.43	+0.00	43.79	+3.49	15.535	+5.483	−27.002
11.5	19.40	17.39	0.01	43.70	3.38	15.656	5.543	26.985
15.5	19.35	17.34	0.01	43.58	3.28	15.777	5.602	26.968
19.5	19.29	17.28	0.01	43.44	3.18	15.897	5.661	26.951
23.5	19.21	17.22	0.01	43.28	3.09	16.018	5.720	26.933
27.5	19.13	17.15	+0.02	43.10	+3.00	16.139	+5.779	−26.916
Mai 1.5	19.04	17.07	0.02	42.90	2.92	16.259	5.838	26.898
5.5	18.95	16.98	0.02	42.69	2.85	16.380	5.897	26.880
9.5	18.85	16.89	0.03	42.46	2.78	16.500	5.955	26.862
13.5	18.74	16.80	0.03	42.22	2.72	16.621	6.014	26.844
17.5	18.63	16.70	+0.03	41.97	+2.67	16.741	+6.073	−26.826
21.5	18.51	16.60	0.04	41.71	2.63	16.862	6.132	26.808
25.5	18.39	16.49	0.04	41.44	2.60	16.982	6.190	26.789
29.5	18.27	16.38	0.04	41.16	2.58	17.103	6.249	26.771
Juni 2.5	18.15	16.27	0.04	40.88	2.56	17.223	6.307	26.752
6.5	18.03	16.16	+0.05	40.60	+2.55	17.344	+6.366	−26.733
10.5	17.90	16.05	0.05	40.32	2.56	17.464	6.424	26.714
14.5	17.77	15.93	0.05	40.04	2.57	17.585	6.483	26.695
18.5	17.65	15.82	0.05	39.76	2.59	17.705	6.541	26.676
22.5	17.53	15.71	0.05	39.48	2.62	17.826	6.599	26.657
26.5	17.41	15.60	+0.05	39.21	+2.66	17.946	+6.657	−26.637
30.5	17.29	15.49	0.05	38.94	2.70	18.066	6.715	26.618

Mittlere Zeit Greenwich	α	β	p_a	a	b	U'	B'	P'
1922								
Juni 30.5	17.29	15.49	+0.05	38.94	+2.70	18.066	+6.715	−26.618
Juli 4.5	17.18	15.39	0.05	38.67	2.75	18.187	6.773	26.598
8.5	17.06	15.29	0.04	38.41	2.81	18.307	6.831	26.578
12.5	16.95	15.19	0.04	38.17	2.87	18.427	6.889	26.558
16.5	16.84	15.09	0.04	37.93	2.94	18.548	6.947	26.538
20.5	16.74	15.00	+0.04	37.70	+3.02	18.668	+7.005	−26.518
24.5	16.64	14.91	0.04	37.48	3.10	18.789	7.063	26.498
28.5	16.54	14.83	0.03	37.26	3.18	18.909	7.121	26.477
Aug. 1.5	16.45	14.75	0.03	37.05	3.27	19.029	7.179	26.457
5.5	16.36	14.68	0.03	36.86	3.36	19.149	7.237	26.436
9.5	16.28	14.61	+0.03	36.68	+3.46	19.269	+7.295	−26.415
13.5	16.21	14.54	0.02	36.51	3.56	19.390	7.352	26.394
17.5	16.14	14.48	0.02	36.35	3.66	19.510	7.410	26.373
21.5	16.07	14.42	0.02	36.20	3.77	19.631	7.468	26.351
25.5	16.01	14.37	0.01	36.06	3.88	19.751	7.526	26.330
29.5	15.96	14.32	+0.01	35.94	+4.00	19.872	+7.583	−26.308
Sept. 2.5	15.91	14.28	0.01	35.83	4.12	19.992	7.641	26.286
6.5	15.87	14.24	0.01	35.73	4.24	20.113	7.698	26.264
10.5	15.83	14.21	0.01	35.65	4.36	20.233	7.756	26.242
14.5	15.80	14.18	0.00	35.58	4.48	20.354	7.813	26.220
18.5	15.78	14.16	+0.00	35.52	+4.60	20.474	+7.871	−26.198
22.5	15.76	14.14	0.00	35.47	4.73	20.595	7.928	26.176
26.5	15.74	14.13	0.00	35.44	4.86	20.716	7.985	26.154
30.5	15.73	14.12	0.00	35.42	4.99	20.837	8.042	26.131
Okt. 4.5	15.73	14.12	0.00	35.41	5.12	20.957	8.099	26.109
8.5	15.73	14.12	−0.00	35.42	+5.25	21.078	+8.156	−26.086
12.5	15.74	14.13	0.00	35.44	5.38	21.198	8.213	26.063
16.5	15.75	14.15	0.00	35.48	5.52	21.319	8.270	26.040
20.5	15.77	14.17	0.00	35.53	5.65	21.440	8.327	26.017
24.5	15.80	14.20	0.01	35.59	5.79	21.561	8.384	25.994
28.5	15.83	14.23	−0.01	35.66	+5.92	21.681	+8.441	−25.971
Nov. 1.5	15.87	14.27	0.01	35.75	6.06	21.802	8.498	25.947
5.5	15.92	14.31	0.01	35.85	6.19	21.922	8.555	25.924
9.5	15.97	14.36	0.01	35.97	6.33	22.043	8.612	25.900
13.5	16.03	14.41	0.01	36.10	6.46	22.163	8.669	25.876
17.5	16.09	14.47	−0.02	36.24	+6.59	22.284	+8.725	−25.852
21.5	16.16	14.53	0.02	36.39	6.72	22.404	8.782	25.828
25.5	16.23	14.60	0.02	36.56	6.85	22.525	8.838	25.804
29.5	16.31	14.67	0.02	36.73	6.98	22.645	8.895	25.780
Dez. 3.5	16.39	14.75	0.03	36.92	7.10	22.766	8.951	25.756
7.5	16.48	14.83	−0.03	37.12	+7.22	22.886	+9.008	−25.732
11.5	16.57	14.92	0.03	37.33	7.34	23.007	9.064	25.707
15.5	16.67	15.01	0.04	37.55	7.46	23.127	9.120	25.683
19.5	16.77	15.10	0.04	37.78	7.57	23.248	9.176	25.658
23.5	16.88	15.20	0.04	38.02	7.68	23.368	9.232	25.633
27.5	16.99	15.30	−0.04	38.27	+7.78	23.489	+9.288	−25.608
31.5	17.10	15.40	0.04	38.53	7.88	23.609	9.344	25.583

Mittlere Zeit Greenwich	*U*	*B*	*P*	Mittlere Zeit Greenwich	*U*	*B*	*P*
1922				1922			
Jan. −0.5	60°.142	+6°.704	−3°.395	April 1.5	56°.994	+4°.781	−3°.715
+1.5	60.199	6.721	3.389	3.5	56.856	4.711	3.729
3.5	60.249	6.735	3.384	5.5	56.720	4.643	3.742
5.5	60.293	6.746	3.380	7.5	56.585	4.576	3.756
7.5	60.330	6.754	3.377	9.5	56.452	4.510	3.770
9.5	60.361	+6.759	−3.374	11.5	56.321	+4.445	−3.783
11.5	60.385	6.760	3.371	13.5	56.193	4.382	3.795
13.5	60.402	6.758	3.369	15.5	56.067	4.321	3.807
15.5	60.413	6.753	3.367	17.5	55.944	4.261	3.819
17.5	60.418	6.746	3.367	19.5	55.824	4.203	3.831
19.5	60.416	+6.735	−3.367	21.5	55.708	+4.147	−3.843
21.5	60.408	6.720	3.367	23.5	55.596	4.093	3.854
23.5	60.393	6.702	3.368	25.5	55.487	4.042	3.865
25.5	60.371	6.681	3.370	27.5	55.382	3.993	3.875
27.5	60.343	6.657	3.373	29.5	55.282	3.947	3.885
29.5	60.309	+6.630	−3.377	Mai 1.5	55.186	+3.903	−3.894
31.5	60.270	6.600	3.382	3.5	55.095	3.862	3.903
Febr. 2.5	60.224	6.567	3.387	5.5	55.008	3.823	3.912
4.5	60.172	6.531	3.392	7.5	54.927	3.787	3.920
6.5	60.113	6.493	3.398	9.5	54.851	3.754	3.927
8.5	60.048	+6.452	−3.405	11.5	54.780	+3.724	−3.934
10.5	59.978	6.408	3.412	13.5	54.714	3.697	3.941
12.5	59.902	6.361	3.420	15.5	54.653	3.673	3.947
14.5	59.821	6.312	3.428	17.5	54.598	3.653	3.952
16.5	59.735	6.260	3.437	19.5	54.549	3.635	3.957
18.5	59.644	+6.206	−3.446	21.5	54.505	+3.620	−3.961
20.5	59.548	6.150	3.456	23.5	54.467	3.608	3.965
22.5	59.447	6.093	3.466	25.5	54.435	3.599	3.969
24.5	59.342	6.033	3.477	27.5	54.408	3.593	3.972
26.5	59.232	5.971	3.488	29.5	54.387	3.591	3.974
28.5	59.119	+5.908	−3.499	31.5	54.373	+3.593	−3.975
März 2.5	59.002	5.843	3.511	Juni 2.5	54.365	3.598	3.974
4.5	58.882	5.777	3.523	4.5	54.363	3.605	3.974
6.5	58.758	5.709	3.535	6.5	54.367	3.616	3.974
8.5	58.632	5.640	3.548	8.5	54.377	3.630	3.973
10.5	58.503	+5.570	−3.561	10.5	54.393	+3.647	−3.972
12.5	58.372	5.500	3.575	12.5	54.415	3.667	3.970
14.5	58.239	5.429	3.588	14.5	54.443	3.691	3.967
16.5	58.103	5.357	3.602	16.5	54.477	3.717	3.963
18.5	57.966	5.285	3.616	18.5	54.516	3.746	3.959
20.5	57.828	+5.212	−3.630	20.5	54.561	+3.778	−3.955
22.5	57.690	5.140	3.644	22.5	54.612	3.813	3.950
24.5	57.551	5.067	3.658	24.5	54.670	3.850	3.945
26.5	57.411	4.995	3.672	26.5	54.733	3.890	3.939
28.5	57.272	4.923	3.687	28.5	54.801	3.934	3.932
30.5	57.133	+4.852	−3.701	30.5	54.874	+3.981	−3.925
April 1.5	56.994	4.781	3.715	Juli 2.5	54.953	4.030	3.917

Mittlere Zeit Greenwich		U	B	P
1922				
Juli	2.5	54°.953	+4°.030	−3°.917
	4.5	55.038	4.082	3.909
	6.5	55.128	4.136	3.900
	8.5	55.224	4.193	3.890
	10.5	55.325	4.253	3.880
	12.5	55.431	+4.316	−3.870
	14.5	55.541	4.381	3.859
	16.5	55.657	4.448	3.847
	18.5	55.778	4.517	3.835
	20.5	55.904	4.588	3.823
	22.5	56.034	+4.662	−3.810
	24.5	56.168	4.737	3.796
	26.5	56.307	4.815	3.782
	28.5	56.450	4.894	3.768
	30.5	56.597	4.976	3.753
Aug.	1.5	56.749	+5.060	−3.738
	3.5	56.905	5.145	3.723
	5.5	57.065	5.232	3.707
	7.5	57.229	5.321	3.691
	9.5	57.396	5.411	3.674
	11.5	57.567	+5.503	−3.657
	13.5	57.741	5.597	3.639
	15.5	57.918	5.692	3.621
	17.5	58.098	5.788	3.602
	19.5	58.282	5.885	3.583
	21.5	58.469	+5.983	−3.564
	23.5	58.659	6.083	3.545
	25.5	58.852	6.184	3.526
	27.5	59.047	6.287	3.507
	29.5	59.245	6.390	3.487
	31.5	59.445	+6.493	−3.466
Sept.	2.5	59.647	6.597	3.445
	4.5	59.852	6.702	3.423
	6.5	60.059	6.808	3.402
	8.5	60.268	6.914	3.381
	10.5	60.478	+7.020	−3.359
	12.5	60.690	7.127	3.337
	14.5	60.903	7.234	3.315
	16.5	61.118	7.342	3.293
	18.5	61.335	7.450	3.271
	20.5	61.553	+7.558	−3.248
	22.5	61.772	7.666	3.225
	24.5	61.993	7.775	3.202
	26.5	62.215	7.884	3.179
	28.5	62.437	7.993	3.155
	30.5	62.659	+8.101	−3.132
Okt.	2.5	62.882	8.209	3.109

Mittlere Zeit Greenwich		U	B	P
1922				
Okt.	2.5	62°.882	+ 8°.209	−3°.109
	4.5	63.105	8.317	3.086
	6.5	63.328	8.425	3.062
	8.5	63.552	8.532	3.039
	10.5	63.776	8.639	3.015
	12.5	63.999	+ 8.745	−2.991
	14.5	64.222	8.850	2.967
	16.5	64.444	8.954	2.943
	18.5	64.666	9.058	2.919
	20.5	64.887	9.161	2.896
	22.5	65.107	+ 9.263	−2.873
	24.5	65.326	9.364	2.849
	26.5	65.543	9.464	2.826
	28.5	65.759	9.564	2.803
	30.5	65.975	9.662	2.780
Nov.	1.5	66.190	+ 9.759	−2.757
	3.5	66.402	9.855	2.734
	5.5	66.612	9.949	2.711
	7.5	66.820	10.042	2.688
	9.5	67.026	10.134	2.666
	11.5	67.230	+10.224	−2.644
	13.5	67.431	10.312	2.622
	15.5	67.630	10.398	2.600
	17.5	67.827	10.483	2.579
	19.5	68.020	10.566	2.558
	21.5	68.210	+10.647	−2.537
	23.5	68.397	10.727	2.517
	25.5	68.580	10.804	2.497
	27.5	68.760	10.880	2.477
	29.5	68.936	10.953	2.457
Dez.	1.5	69.108	+11.025	−2.438
	3.5	69.277	11.094	2.419
	5.5	69.441	11.161	2.401
	7.5	69.601	11.226	2.384
	9.5	69.757	11.288	2.367
	11.5	69.908	+11.348	−2.350
	13.5	70.055	11.406	2.333
	15.5	70.197	11.462	2.317
	17.5	70.333	11.515	2.302
	19.5	70.465	11.565	2.287
	21.5	70.592	+11.613	−2.273
	23.5	70.714	11.658	2.260
	25.5	70.830	11.700	2.247
	27.5	70.940	11.740	2.235
	29.5	71.045	11.776	2.223
	31.5	71.144	+11.809	−2.212

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Jan. −0.5	150°.947	86°.76	1.43290	+ 3″.16
+1.5	194.931	128.74	1.43443	+ 3.18
3.5	238.916	170.73	1.43596	+ 3.20
5.5	282.901	212.71	1.43749	+ 3.22
7.5	326.885	254.70	1.43902	+ 3.23
9.5	10.870	296.69	1.44055	+ 3.25
11.5	54.855	338.68	1.44207	+ 3.26
13.5	98.839	20.66	1.44358	+ 3.27
15.5	142.824	62.65	1.44508	+ 3.28
17.5	186.809	104.63	1.44658	+ 3.29
19.5	230.793	146.61	1.44805	+ 3.29
21.5	274.778	188.60	1.44951	+ 3.30
23.5	318.762	230.58	1.45096	+ 3.30
25.5	2.747	272.57	1.45239	+ 3.30
27.5	46.732	314.55	1.45379	+ 3.30
29.5	90.716	356.54	1.45517	+ 3.29
31.5	134.701	38.52	1.45652	+ 3.29
Febr. 2.5	178.686	80.51	1.45784	+ 3.28
4.5	222.670	122.49	1.45913	+ 3.27
6.5	266.655	164.48	1.46039	+ 3.26
8.5	310.639	206.46	1.46161	+ 3.25
10.5	354.624	248.45	1.46280	+ 3.24
12.5	38.609	290.43	1.46395	+ 3.23
14.5	82.593	332.41	1.46506	+ 3.21
16.5	126.578	14.40	1.46612	+ 3.19
18.5	170.562	56.38	1.46714	+ 3.17
20.5	214.547	98.37	1.46811	+ 3.15
22.5	258.531	140.35	1.46903	+ 3.13
24.5	302.516	182.34	1.46991	+ 3.10
26.5	346.500	224.32	1.47073	+ 3.08
28.5	30.484	266.30	1.47150	+ 3.05
März 2.5	74.469	308.29	1.47222	+ 3.02
4.5	118.453	350.27	1.47288	+ 2.99
6.5	162.438	32.26	1.47348	+ 2.96
8.5	206.422	74.24	1.47403	+ 2.93
10.5	250.406	116.23	1.47452	+ 2.90
12.5	294.391	158.21	1.47494	+ 2.86
14.5	338.375	200.20	1.47529	+ 2.83
16.5	22.359	242.18	1.47559	+ 2.79
18.5	66.344	284.16	1.47584	+ 2.76

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
März 18.5	66°.344	284°.16	1.47584	+ 2″.76
20.5	110.328	326.15	1.47602	+ 2.72
22.5	154.312	8.13	1.47613	+ 2.68
24.5	198.296	50.12	1.47618	+ 2.65
26.5	242.281	92.10	1.47617	+ 2.61
28.5	286.265	134.08	1.47610	+ 2.57
30.5	330.249	176.07	1.47596	+ 2.53
April 1.5	14.233	218.05	1.47576	+ 2.49
3.5	58.218	260.04	1.47550	+ 2.46
5.5	102.202	302.02	1.47518	+ 2.42
7.5	146.187	344.01	1.47479	+ 2.38
9.5	190.171	25.99	1.47435	+ 2.34
11.5	234.155	67.98	1.47384	+ 2.31
13.5	278.140	109.96	1.47329	+ 2.27
15.5	322.124	151.94	1.47267	+ 2.24
17.5	6.108	193.93	1.47200	+ 2.20
19.5	50.093	235.91	1.47128	+ 2.17
21.5	94.077	277.90	1.47050	+ 2.14
23.5	138.061	319.88	1.46967	+ 2.11
25.5	182.045	1.86	1.46879	+ 2.08
27.5	226.030	43.85	1.46786	+ 2.05
29.5	270.014	85.83	1.46688	+ 2.02
Mai 1.5	313.998	127.82	1.46586	+ 1.99
3.5	357.982	169.80	1.46479	+ 1.97
5.5	41.967	211.79	1.46369	+ 1.94
7.5	85.951	253.77	1.46255	+ 1.92
9.5	129.935	295.75	1.46137	+ 1.89
11.5	173.919	337.74	1.46016	+ 1.87
13.5	217.904	19.72	1.45891	+ 1.86
15.5	261.888	61.71	1.45763	+ 1.84
17.5	305.872	103.69	1.45632	+ 1.82
19.5	349.856	145.67	1.45498	+ 1.81
21.5	33.840	187.66	1.45361	+ 1.79
23.5	77.824	229.64	1.45222	+ 1.78
25.5	121.809	271.63	1.45081	+ 1.77
27.5	165.793	313.61	1.44938	+ 1.76
29.5	209.777	355.59	1.44793	+ 1.76
31.5	253.761	37.58	1.44647	+ 1.75
Juni 2.5	297.745	79.56	1.44499	+ 1.75
4.5	341.729	121.55	1.44350	+ 1.75

Mittlere Zeit Greenwich	L	M	log $\frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$
MIMAS				
1922	°	°		"
Juni 4.5	341.729	121.55	1.44350	+ 1.75
6.5	25.713	163.53	1.44200	+ 1.74
8.5	69.697	205.52	1.44049	+ 1.74
10.5	113.681	247.50	1.43898	+ 1.75
12.5	157.665	289.48	1.43746	+ 1.75
14.5	201.649	331.47	1.43593	+ 1.76
16.5	245.633	13.45	1.43441	+ 1.76
18.5	289.617	55.44	1.43288	+ 1.77
20.5	333.601	97.42	1.43136	+ 1.78
22.5	17.585	139.40	1.42984	+ 1.79
24.5	61.569	181.39	1.42832	+ 1.80
26.5	105.553	223.37	1.42681	+ 1.81
28.5	149.536	265.35	1.42531	+ 1.83
30.5	193.520	307.34	1.42382	+ 1.84
Juli 2.5	237.504	349.32	1.42234	+ 1.86
4.5	281.488	31.31	1.42087	+ 1.88
6.5	325.472	73.29	1.41942	+ 1.89
8.5	9.456	115.27	1.41798	+ 1.91
10.5	53.440	157.26	1.41656	+ 1.93
12.5	97.424	199.24	1.41515	+ 1.96
14.5	141.407	241.23	1.41376	+ 1.98
16.5	185.391	283.21	1.41239	+ 2.00
18.5	229.375	325.19	1.41104	+ 2.03
20.5	273.359	7.18	1.40972	+ 2.05
22.5	317.343	49.16	1.40841	+ 2.08
24.5	1.327	91.14	1.40713	+ 2.11
26.5	45.310	133.13	1.40587	+ 2.14
Dez. 9.5	156.188	108.00	1.40424	+ 4.96
11.5	200.172	149.99	1.40548	+ 5.00
13.5	244.155	191.97	1.40675	+ 5.04
15.5	288.138	233.95	1.40805	+ 5.08
17.5	332.121	275.94	1.40937	+ 5.12
19.5	16.104	317.92	1.41071	+ 5.16
21.5	60.087	359.90	1.41208	+ 5.20
23.5	104.070	41.88	1.41346	+ 5.23
25.5	148.053	83.87	1.41486	+ 5.27
27.5	192.037	125.85	1.41629	+ 5.31
29.5	236.020	167.83	1.41773	+ 5.34
31.5	280.003	209.82	1.41918	+ 5.37

Mittlere Zeit Greenwich	L	M	log $\frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$
ENCELADUS				
1922	°	°		"
Jan. −0.5	301.454	37.1	1.54111	+ 4.06
+1.5	106.919	201.8	1.54264	+ 4.08
3.5	272.384	6.6	1.54417	+ 4.11
5.5	77.849	171.4	1.54570	+ 4.13
7.5	243.314	336.2	1.54723	+ 4.15
9.5	48.779	141.0	1.54876	+ 4.16
11.5	214.244	305.8	1.55028	+ 4.18
13.5	19.709	110.6	1.55179	+ 4.19
15.5	185.174	275.4	1.55329	+ 4.21
17.5	350.639	80.2	1.55479	+ 4.22
19.5	156.105	244.9	1.55626	+ 4.22
21.5	321.570	49.7	1.55772	+ 4.23
23.5	127.035	214.5	1.55917	+ 4.23
25.5	292.500	19.3	1.56060	+ 4.23
27.5	97.965	184.1	1.56200	+ 4.23
29.5	263.431	348.9	1.56338	+ 4.22
31.5	68.896	153.7	1.56473	+ 4.22
Febr. 2.5	234.361	318.5	1.56605	+ 4.21
4.5	39.826	123.3	1.56734	+ 4.20
6.5	205.292	288.1	1.56860	+ 4.19
8.5	10.757	92.8	1.56982	+ 4.17
10.5	176.222	257.6	1.57101	+ 4.16
12.5	341.687	62.4	1.57216	+ 4.14
14.5	147.153	227.2	1.57327	+ 4.12
16.5	312.618	32.0	1.57433	+ 4.09
18.5	118.083	196.8	1.57535	+ 4.07
20.5	283.548	1.6	1.57632	+ 4.04
22.5	89.014	166.4	1.57724	+ 4.01
24.5	254.479	331.2	1.57812	+ 3.98
26.5	59.944	136.0	1.57894	+ 3.95
28.5	225.409	300.7	1.57971	+ 3.91
März 2.5	30.875	105.5	1.58043	+ 3.87
4.5	196.340	270.3	1.58109	+ 3.84
6.5	1.805	75.1	1.58169	+ 3.80
8.5	167.271	239.9	1.58224	+ 3.76
10.5	332.736	44.7	1.58273	+ 3.71
12.5	138.202	209.5	1.58315	+ 3.67
14.5	303.667	14.3	1.58350	+ 3.63
16.5	109.133	179.1	1.58380	+ 3.58
18.5	274.598	343.8	1.58405	+ 3.54

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
März 18.5	274°598	343°8	1.58405	+ 3″54
20.5	80.064	148.6	1.58423	+ 3.49
22.5	245.529	313.4	1.58434	+ 3.44
24.5	50.995	118.2	1.58439	+ 3.39
26.5	216.461	283.0	1.58438	+ 3.35
28.5	21.926	87.8	1.58431	+ 3.30
30.5	187.392	252.6	1.58417	+ 3.25
April 1.5	352.858	57.4	1.58397	+ 3.20
3.5	158.323	222.2	1.58371	+ 3.15
5.5	323.789	27.0	1.58339	+ 3.10
7.5	129.254	191.7	1.58300	+ 3.05
9.5	294.720	356.5	1.58256	+ 3.01
11.5	100.186	161.3	1.58205	+ 2.96
13.5	265.651	326.1	1.58150	+ 2.92
15.5	71.117	130.9	1.58088	+ 2.87
17.5	236.583	295.7	1.58021	+ 2.83
19.5	42.049	100.5	1.57949	+ 2.78
21.5	207.514	265.3	1.57871	+ 2.74
23.5	12.980	70.1	1.57788	+ 2.70
25.5	178.446	234.9	1.57700	+ 2.66
27.5	343.912	39.7	1.57607	+ 2.62
29.5	149.377	204.4	1.57509	+ 2.59
Mai 1.5	314.843	9.2	1.57407	+ 2.55
3.5	120.309	174.0	1.57300	+ 2.52
5.5	285.775	338.8	1.57190	+ 2.49
7.5	91.240	143.6	1.57076	+ 2.46
9.5	256.706	308.4	1.56958	+ 2.43
11.5	62.172	113.2	1.56837	+ 2.40
13.5	227.638	278.0	1.56712	+ 2.38
15.5	33.103	82.8	1.56584	+ 2.36
17.5	198.569	247.5	1.56453	+ 2.34
19.5	4.035	52.3	1.56319	+ 2.32
21.5	169.501	217.1	1.56182	+ 3.30
23.5	334.967	21.9	1.56043	+ 2.29
25.5	140.432	186.7	1.55902	+ 2.27
27.5	305.898	351.5	1.55759	+ 2.26
29.5	111.364	156.3	1.55614	+ 2.25
31.5	276.830	321.1	1.55468	+ 2.25
Juni 2.5	82.296	125.9	1.55320	+ 2.24
4.5	247.762	290.7	1.55171	+ 2.24

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Juni 4.5	247°762	290°7	1.55171	+ 2″24
6.5	53.228	95.5	1.55021	+ 2.24
8.5	218.694	260.2	1.54870	+ 2.24
10.5	24.160	65.0	1.54719	+ 2.24
12.5	189.626	229.8	1.54567	+ 2.25
14.5	355.092	34.6	1.54414	+ 2.25
16.5	160.558	199.4	1.54262	+ 2.26
18.5	326.024	4.2	1.54109	+ 2.27
20.5	131.490	169.0	1.53957	+ 2.28
22.5	296.956	333.8	1.53805	+ 2.29
24.5	102.422	138.6	1.53653	+ 2.31
26.5	267.888	303.4	1.53502	+ 2.33
28.5	73.354	108.1	1.53352	+ 2.34
30.5	238.820	272.9	1.53203	+ 2.36
Juli 2.5	44.286	77.7	1.53055	+ 2.38
4.5	209.752	242.5	1.52908	+ 2.41
6.5	15.218	47.3	1.52763	+ 2.43
8.5	180.684	212.1	1.52619	+ 2.46
10.5	346.150	16.9	1.52477	+ 2.48
12.5	151.617	181.7	1.52336	+ 2.51
14.5	317.083	346.5	1.52197	+ 2.54
16.5	122.549	151.3	1.52060	+ 2.57
18.5	288.015	316.0	1.51925	+ 2.60
20.5	93.481	120.8	1.51793	+ 2.63
22.5	258.947	285.6	1.51662	+ 2.67
24.5	64.413	90.4	1.51534	+ 2.70
26.5	229.879	255.2	1.51408	+ 2.74
Dez. 9.5	321.584	301.0	1.51245	+ 6.37
11.5	127.050	105.8	1.51369	+ 6.42
13.5	292.516	270.6	1.51496	+ 6.47
15.5	97.982	75.3	1.51626	+ 6.52
17.5	263.448	240.1	1.51758	+ 6.57
19.5	68.914	44.9	1.51892	+ 6.62
21.5	234.381	209.7	1.52029	+ 6.67
23.5	39.847	14.5	1.52167	+ 6.72
25.5	205.313	179.3	1.52307	+ 6.76
27.5	10.779	344.1	1.52450	+ 6.81
29.5	176.245	148.9	1.52594	+ 6.85
31.5	341.711	313.7	1.52739	+ 6.89

TETHYS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Jan. −0.5	229°.980		1.63381	+ 5″.02
+1.5	251.376		1.63534	+ 5.05
3.5	272.772		1.63687	+ 5.08
5.5	294.168		1.63840	+ 5.11
7.5	315.563		1.63993	+ 5.13
9.5	336.959		1.64146	+ 5.15
11.5	358.355		1.64298	+ 5.17
13.5	19.751		1.64449	+ 5.19
15.5	41.147		1.64599	+ 5.21
17.5	62.542		1.64749	+ 5.22
19.5	83.938		1.64896	+ 5.23
21.5	105.334		1.65042	+ 5.23
23.5	126.730		1.65187	+ 5.24
25.5	148.126		1.65330	+ 5.24
27.5	169.522		1.65470	+ 5.24
29.5	190.918		1.65608	+ 5.23
31.5	212.314		1.65743	+ 5.22
Febr. 2.5	233.709		1.65875	+ 5.21
4.5	255.105		1.66004	+ 5.20
6.5	276.501		1.66130	+ 5.18
8.5	297.897		1.66252	+ 5.17
10.5	319.293		1.66371	+ 5.15
12.5	340.689		1.66486	+ 5.12
14.5	2.085		1.66597	+ 5.10
16.5	23.481		1.66703	+ 5.07
18.5	44.876		1.66805	+ 5.04
20.5	66.272		1.66902	+ 5.00
22.5	87.668		1.66994	+ 4.96
24.5	109.064		1.67082	+ 4.92
26.5	130.460		1.67164	+ 4.88
28.5	151.856		1.67241	+ 4.84
März 2.5	173.252		1.67313	+ 4.80
4.5	194.648		1.67379	+ 4.75
6.5	216.043		1.67440	+ 4.70
8.5	237.439		1.67494	+ 4.65
10.5	258.835		1.67543	+ 4.60
12.5	280.231		1.67585	+ 4.54
14.5	301.627		1.67620	+ 4.49
16.5	323.023		1.67650	+ 4.43
18.5	344.419		1.67675	+ 4.38

TETHYS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
März 18.5	344°.419		1.67675	+ 4″.38
20.5	5.815		1.67693	+ 4.32
22.5	27.210		1.67704	+ 4.26
24.5	48.606		1.67709	+ 4.20
26.5	70.002		1.67708	+ 4.14
28.5	91.398		1.67701	+ 4.08
30.5	112.794		1.67687	+ 4.02
April 1.5	134.190		1.67667	+ 3.96
3.5	155.586		1.67641	+ 3.90
5.5	176.982		1.67609	+ 3.84
7.5	198.377		1.67570	+ 3.78
9.5	219.773		1.67526	+ 3.72
11.5	241.169		1.67475	+ 3.67
13.5	262.565		1.67420	+ 3.61
15.5	283.961		1.67358	+ 3.55
17.5	305.357		1.67291	+ 3.50
19.5	326.753		1.67219	+ 3.45
21.5	348.149		1.67141	+ 3.40
23.5	9.544		1.67058	+ 3.34
25.5	30.940		1.66970	+ 3.30
27.5	52.336		1.66877	+ 3.25
29.5	73.732		1.66779	+ 3.21
Mai 1.5	95.128		1.66677	+ 3.16
3.5	116.524		1.66570	+ 3.12
5.5	137.920		1.66460	+ 3.08
7.5	159.316		1.66346	+ 3.05
9.5	180.711		1.66228	+ 3.01
11.5	202.107		1.66107	+ 2.98
13.5	223.503		1.65982	+ 2.95
15.5	244.899		1.65854	+ 2.92
17.5	266.295		1.65723	+ 2.89
19.5	287.691		1.65589	+ 2.87
21.5	309.087		1.65452	+ 2.85
23.5	330.483		1.65313	+ 2.83
25.5	351.878		1.65172	+ 2.82
27.5	13.274		1.65029	+ 2.80
29.5	34.670		1.64884	+ 2.79
31.5	56.066		1.64738	+ 2.78
Juni 2.5	77.462		1.64590	+ 2.78
4.5	98.858		1.64441	+ 2.77

TETHYS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Juni 4.5	98°.858		1.64441	+ 2″.77
6.5	120.254		1.64291	+ 2.77
8.5	141.650		1.64140	+ 2.77
10.5	163.045		1.63989	+ 2.77
12.5	184.441		1.63837	+ 2.78
14.5	205.837		1.63684	+ 2.79
16.5	227.233		1.63532	+ 2.80
18.5	248.629		1.63379	+ 2.81
20.5	270.025		1.63227	+ 2.82
22.5	291.421		1.63075	+ 2.84
24.5	312.817		1.62923	+ 2.86
26.5	334.212		1.62772	+ 2.88
28.5	355.608		1.62622	+ 2.90
30.5	17.004		1.62473	+ 2.92
Juli 2.5	38.400		1.62325	+ 2.95
4.5	59.796		1.62178	+ 2.98
6.5	81.192		1.62033	+ 3.01
8.5	102.588		1.61889	+ 3.04
10.5	123.984		1.61747	+ 3.07
12.5	145.379		1.61606	+ 3.11
14.5	166.775		1.61467	+ 3.14
16.5	188.171		1.61330	+ 3.18
18.5	209.567		1.61195	+ 3.22
20.5	230.963		1.61063	+ 3.26
22.5	252.359		1.60932	+ 3.30
24.5	273.755		1.60804	+ 3.35
26.5	295.151		1.60678	+ 3.39
Dez. 9.5	310.072		1.60515	+ 7.88
11.5	331.468		1.60639	+ 7.95
13.5	352.864		1.60766	+ 8.01
15.5	14.260		1.60896	+ 8.07
17.5	35.656		1.61028	+ 8.14
19.5	57.051		1.61162	+ 8.20
21.5	78.447		1.61299	+ 8.26
23.5	99.843		1.61437	+ 8.31
25.5	121.239		1.61577	+ 8.37
27.5	142.635		1.61720	+ 8.43
29.5	164.031		1.61864	+ 8.48
31.5	185.427		1.62009	+ 8.53

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Jan. −0.5	283°.107	309°.1	1.74128	+ 6″.43
+1.5	186.176	212.0	1.74281	+ 6.47
3.5	89.246	114.9	1.74434	+ 6.51
5.5	352.315	17.8	1.74587	+ 6.54
7.5	255.385	280.7	1.74740	+ 6.57
9.5	158.454	183.6	1.74893	+ 6.60
11.5	61.524	86.5	1.75045	+ 6.63
13.5	324.593	349.4	1.75196	+ 6.65
15.5	227.663	252.3	1.75346	+ 6.67
17.5	130.732	155.2	1.75496	+ 6.68
19.5	33.802	58.1	1.75643	+ 6.70
21.5	296.871	321.0	1.75789	+ 6.70
23.5	199.941	223.9	1.75934	+ 6.71
25.5	103.010	126.8	1.76077	+ 6.71
27.5	6.080	29.7	1.76217	+ 6.71
29.5	269.149	292.6	1.76355	+ 6.70
31.5	172.219	195.5	1.76490	+ 6.69
Febr. 2.5	75.288	98.4	1.76622	+ 6.68
4.5	338.358	1.3	1.76751	+ 6.66
6.5	241.428	264.2	1.76877	+ 6.64
8.5	144.497	167.1	1.76999	+ 6.62
10.5	47.567	70.0	1.77118	+ 6.59
12.5	310.637	332.9	1.77233	+ 6.56
14.5	213.706	235.8	1.77344	+ 6.53
16.5	116.776	138.7	1.77450	+ 6.49
18.5	19.845	41.6	1.77552	+ 6.45
20.5	282.915	304.5	1.77649	+ 6.41
22.5	185.984	207.4	1.77741	+ 6.36
24.5	89.054	110.3	1.77829	+ 6.31
26.5	352.123	13.2	1.77911	+ 6.26
28.5	255.193	276.1	1.77988	+ 6.20
März 2.5	158.262	179.0	1.78060	+ 6.14
4.5	61.332	81.9	1.78126	+ 6.08
6.5	324.401	344.8	1.78186	+ 6.02
8.5	227.471	247.7	1.78241	+ 5.96
10.5	130.540	150.6	1.78290	+ 5.89
12.5	33.610	53.5	1.78332	+ 5.82
14.5	296.679	316.4	1.78367	+ 5.75
16.5	199.749	219.3	1.78397	+ 5.68
18.5	102.818	122.2	1.78422	+ 5.61

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$
DIONE					DIONE				
1922					1922				
März 18.5	102°.818	122°.2	1.78422	+ 5″.61	Juni 4.5	282°.527	295°.3	1.75188	+ 3″.55
20.5	5.888	25.1	1.78440	+ 5.53	6.5	185.596	198.2	1.75038	+ 3.55
22.5	268.957	288.0	1.78451	+ 5.46	8.5	88.666	101.1	1.74887	+ 3.55
24.5	172.027	190.9	1.78456	+ 5.38	10.5	351.735	4.0	1.74736	+ 3.55
26.5	75.096	93.8	1.78455	+ 5.30	12.5	254.805	266.9	1.74584	+ 3.56
28.5	338.166	356.7	1.78448	+ 5.23	14.5	157.874	169.8	1.74431	+ 3.57
30.5	241.235	259.6	1.78434	+ 5.15	16.5	60.944	72.7	1.74279	+ 3.58
April 1.5	144.305	162.5	1.78414	+ 5.07	18.5	324.013	335.6	1.74126	+ 3.60
3.5	47.374	65.4	1.78388	+ 4.99	20.5	227.083	238.5	1.73974	+ 3.62
5.5	310.444	328.3	1.78356	+ 4.92	22.5	130.152	141.4	1.73822	+ 3.64
7.5	213.513	231.2	1.78317	+ 4.84	24.5	33.222	44.3	1.73670	+ 3.66
9.5	116.583	134.1	1.78273	+ 4.77	26.5	296.291	307.2	1.73519	+ 3.69
11.5	19.652	37.0	1.78222	+ 4.70	28.5	199.361	210.1	1.73369	+ 3.72
13.5	282.722	299.9	1.78167	+ 4.62	30.5	102.430	113.0	1.73220	+ 3.75
15.5	185.791	202.8	1.78105	+ 4.55	Juli 2.5	5.500	15.9	1.73072	+ 3.78
17.5	88.860	105.7	1.78038	+ 4.48	4.5	268.569	278.8	1.72925	+ 3.81
19.5	351.930	8.6	1.77966	+ 4.41	6.5	171.638	181.7	1.72780	+ 3.85
21.5	254.999	271.5	1.77888	+ 4.35	8.5	74.708	84.6	1.72636	+ 3.89
23.5	158.068	174.4	1.77805	+ 4.28	10.5	337.777	347.5	1.72494	+ 3.94
25.5	61.138	77.3	1.77717	+ 4.22	12.5	240.846	250.4	1.72353	+ 3.98
27.5	324.207	340.2	1.77624	+ 4.16	14.5	143.916	153.3	1.72214	+ 4.03
29.5	227.277	243.1	1.77526	+ 4.11	16.5	46.985	56.2	1.72077	+ 4.07
Mai 1.5	130.346	146.0	1.77424	+ 4.05	18.5	310.055	319.1	1.71942	+ 4.12
3.5	33.416	48.9	1.77317	+ 4.00	20.5	213.124	222.0	1.71810	+ 4.18
5.5	296.485	311.8	1.77207	+ 3.95	22.5	116.193	124.9	1.71679	+ 4.23
7.5	199.555	214.7	1.77093	+ 3.90	24.5	19.263	27.8	1.71551	+ 4.29
9.5	102.624	117.6	1.76975	+ 3.85	26.5	282.332	290.7	1.71425	+ 4.34
11.5	5.694	20.5	1.76854	+ 3.81					
13.5	268.763	283.4	1.76729	+ 3.77	Dez. 9.5	171.053	167.9	1.71262	+10.10
15.5	171.833	186.3	1.76601	+ 3.74	11.5	74.122	70.8	1.71386	+10.18
17.5	74.902	89.2	1.76470	+ 3.71	13.5	337.191	333.7	1.71513	+10.26
19.5	337.971	352.1	1.76336	+ 3.68	15.5	240.261	236.6	1.71643	+10.34
21.5	241.041	255.0	1.76199	+ 3.65	17.5	143.330	139.5	1.71775	+10.42
23.5	144.110	157.9	1.76060	+ 3.63	19.5	46.399	42.4	1.71909	+10.50
25.5	47.179	60.8	1.75919	+ 3.61	21.5	309.469	305.3	1.72046	+10.57
27.5	310.249	323.7	1.75776	+ 3.59	23.5	212.538	208.2	1.72184	+10.65
29.5	213.318	226.6	1.75631	+ 3.57	25.5	115.608	111.1	1.72324	+10.72
31.5	116.388	129.5	1.75485	+ 3.56	27.5	18.677	14.0	1.72467	+10.79
Juni 2.5	19.457	32.4	1.75337	+ 3.55	29.5	281.746	276.9	1.72611	+10.86
4.5	282.527	295.3	1.75188	+ 3.55	31.5	184.816	179.8	1.72756	+10.93

RHEA

Mittlere Zeit Greenwich	L	M	log $\frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$
1922	°	°		″
Jan. −0.5	165.213	15.8	1.88632	+ 8.98
+1.5	324.593	175.1	1.88785	+ 9.04
3.5	123.973	334.3	1.88938	+ 9.09
5.5	283.353	133.6	1.89091	+ 9.14
7.5	82.733	292.9	1.89244	+ 9.18
9.5	242.113	92.3	1.89397	+ 9.22
11.5	41.493	251.6	1.89549	+ 9.25
13.5	200.873	50.9	1.89700	+ 9.28
15.5	0.253	210.2	1.89850	+ 9.31
17.5	159.632	9.6	1.90000	+ 9.33
19.5	319.012	168.9	1.90147	+ 9.35
21.5	118.392	328.2	1.90293	+ 9.36
23.5	277.772	127.5	1.90438	+ 9.37
25.5	77.152	286.9	1.90581	+ 9.37
27.5	236.532	86.2	1.90721	+ 9.36
29.5	35.912	245.5	1.90859	+ 9.35
31.5	195.292	44.8	1.90994	+ 9.34
Febr. 2.5	354.672	204.2	1.91126	+ 9.32
4.5	154.052	3.5	1.91255	+ 9.30
6.5	313.432	162.8	1.91381	+ 9.27
8.5	112.812	322.1	1.91503	+ 9.24
10.5	272.192	121.5	1.91622	+ 9.20
12.5	71.572	280.8	1.91737	+ 9.16
14.5	230.952	80.1	1.91848	+ 9.12
16.5	30.332	239.4	1.91954	+ 9.07
18.5	189.712	38.8	1.92056	+ 9.01
20.5	349.092	198.1	1.92153	+ 8.95
22.5	148.472	357.4	1.92245	+ 8.88
24.5	307.852	156.7	1.92333	+ 8.81
26.5	107.232	316.1	1.92415	+ 8.74
28.5	266.612	115.4	1.92492	+ 8.66
März 2.5	65.992	274.7	1.92564	+ 8.58
4.5	225.372	74.0	1.92630	+ 8.50
6.5	24.751	233.4	1.92690	+ 8.41
8.5	184.131	32.7	1.92745	+ 8.32
10.5	343.511	192.0	1.92794	+ 8.22
12.5	142.891	351.3	1.92836	+ 8.13
14.5	302.271	150.7	1.92871	+ 8.03
16.5	101.651	310.0	1.92901	+ 7.93
18.5	261.031	109.3	1.92926	+ 7.83

RHEA

Mittlere Zeit Greenwich	L	M	log $\frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$
1922	°	°		″
März 18.5	261.031	109.3	1.92926	+ 7.83
20.5	60.411	268.6	1.92944	+ 7.73
22.5	219.791	67.9	1.92955	+ 7.62
24.5	19.171	227.3	1.92960	+ 7.51
26.5	178.551	26.6	1.92959	+ 7.41
28.5	337.931	185.9	1.92952	+ 7.30
30.5	137.311	345.2	1.92938	+ 7.19
April 1.5	296.691	144.6	1.92918	+ 7.08
3.5	96.071	303.9	1.92892	+ 6.97
5.5	255.451	103.2	1.92860	+ 6.87
7.5	54.830	262.5	1.92821	+ 6.76
9.5	214.210	61.9	1.92777	+ 6.66
11.5	13.590	221.2	1.92726	+ 6.56
13.5	172.970	20.5	1.92671	+ 6.46
15.5	332.350	179.8	1.92609	+ 6.36
17.5	131.730	339.2	1.92542	+ 6.26
19.5	291.110	138.5	1.92470	+ 6.17
21.5	90.490	297.8	1.92392	+ 6.07
23.5	249.870	97.1	1.92309	+ 5.98
25.5	49.250	256.5	1.92221	+ 5.89
27.5	208.630	55.8	1.92128	+ 5.81
29.5	8.010	215.1	1.92030	+ 5.73
Mai 1.5	167.390	14.4	1.91928	+ 5.65
3.5	326.770	173.8	1.91821	+ 5.58
5.5	126.150	333.1	1.91711	+ 5.51
7.5	285.530	132.4	1.91597	+ 5.45
9.5	84.909	291.7	1.91479	+ 5.38
11.5	244.289	91.1	1.91358	+ 5.32
13.5	43.669	250.4	1.91233	+ 5.27
15.5	203.049	49.7	1.91105	+ 5.22
17.5	2.429	209.0	1.90974	+ 5.18
19.5	161.809	8.4	1.90840	+ 5.14
21.5	321.189	167.7	1.90703	+ 5.10
23.5	120.569	327.0	1.90564	+ 5.06
25.5	279.949	126.3	1.90423	+ 5.04
27.5	79.329	285.7	1.90280	+ 5.01
29.5	238.709	85.0	1.90135	+ 4.99
31.5	38.089	244.3	1.89989	+ 4.97
Juni 2.5	197.469	43.6	1.89841	+ 4.96
4.5	356.849	203.0	1.89692	+ 4.96

RHEA

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Juni 4.5	356°.849	203°.0	1.89692	+ 4″.96
6.5	156.229	2.3	1.89542	+ 4.96
8.5	315.609	161.6	1.89391	+ 4.96
10.5	114.988	320.9	1.89240	+ 4.96
12.5	274.368	120.3	1.89088	+ 4.97
14.5	73.748	279.6	1.88935	+ 4.99
16.5	233.128	78.9	1.88783	+ 5.01
18.5	32.508	238.2	1.88630	+ 5.03
20.5	191.888	37.6	1.88478	+ 5.05
22.5	351.268	196.9	1.88326	+ 5.08
24.5	150.648	356.2	1.88174	+ 5.11
26.5	310.028	155.5	1.88023	+ 5.15
28.5	109.408	314.9	1.87873	+ 5.19
30.5	268.788	114.2	1.87724	+ 5.23
Juli 2.5	68.168	273.5	1.87576	+ 5.28
4.5	227.548	72.8	1.87429	+ 5.33
6.5	26.928	232.2	1.87284	+ 5.38
8.5	186.308	31.5	1.87140	+ 5.44
10.5	345.688	190.8	1.86998	+ 5.50
12.5	145.067	350.1	1.86857	+ 5.56

RHEA

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1922				
Juli 12.5	145°.067	350°.1	1.86857	+ 5″.56
14.5	304.447	149.5	1.86718	+ 5.62
16.5	103.827	308.8	1.86581	+ 5.69
18.5	263.207	108.1	1.86446	+ 5.76
20.5	62.587	267.4	1.86314	+ 5.83
22.5	221.967	66.8	1.86183	+ 5.91
24.5	21.347	226.1	1.86055	+ 5.99
26.5	180.727	25.4	1.85929	+ 6.07
Dez. 9.5	218.563	59.5	1.85766	+ 14.10
11.5	17.943	218.8	1.85890	+ 14.22
13.5	177.323	18.2	1.86017	+ 14.33
15.5	336.703	177.5	1.86147	+ 14.44
17.5	136.083	336.8	1.86279	+ 14.55
19.5	295.463	136.1	1.86413	+ 14.66
21.5	94.843	295.5	1.86550	+ 14.77
23.5	254.223	94.8	1.86688	+ 14.87
25.5	53.603	254.1	1.86828	+ 14.97
27.5	212.983	53.4	1.86971	+ 15.07
29.5	12.363	212.8	1.87115	+ 15.17
31.5	171.743	12.1	1.87260	+ 15.26

M	Mimas		Enceladus		Dione		Rhea		M
	±(v−M)	log r/a	±(v−M)	log r/a	±(v−M)	log r/a	±(v−M)	log r/a	
0°	0°.000	9.99167	0°.000	9.99800	0°.000	9.99913	0°.000	9.99961	360°
2	0.078	9.99167	0.018	9.99800	0.008	9.99913	0.004	9.99961	358
4	0.156	9.99169	0.037	9.99800	0.016	9.99913	0.007	9.99961	356
6	0.233	9.99172	0.055	9.99801	0.024	9.99913	0.011	9.99961	354
8	0.310	9.99175	0.074	9.99802	0.032	9.99914	0.014	9.99961	352
10	0.387	9.99180	0.092	9.99803	0.040	9.99914	0.018	9.99961	350
12	0.463	9.99186	0.110	9.99804	0.048	9.99915	0.021	9.99962	348
14	0.539	9.99193	0.128	9.99806	0.056	9.99916	0.025	9.99962	346
16	0.614	9.99201	0.146	9.99808	0.063	9.99916	0.028	9.99962	344
18	0.688	9.99210	0.164	9.99810	0.071	9.99917	0.032	9.99963	342
20	0.762	9.99220	0.181	9.99812	0.079	9.99918	0.035	9.99963	340
22	0.834	9.99230	0.199	9.99814	0.086	9.99919	0.039	9.99964	338
24	0.905	9.99242	0.216	9.99817	0.093	9.99921	0.042	9.99964	336
26	0.975	9.99255	0.232	9.99820	0.101	9.99922	0.045	9.99965	334
28	1.044	9.99269	0.249	9.99823	0.108	9.99923	0.048	9.99966	332
30	1.111	9.99284	0.265	9.99827	0.115	9.99925	0.052	9.99966	330
32	1.177	9.99299	0.281	9.99830	0.122	9.99926	0.055	9.99967	328
34	1.242	9.99316	0.296	9.99834	0.128	9.99928	0.058	9.99968	326
36	1.305	9.99333	0.311	9.99838	0.135	9.99930	0.061	9.99968	324
38	1.366	9.99351	0.326	9.99842	0.141	9.99931	0.064	9.99969	322
40	1.425	9.99370	0.340	9.99847	0.148	9.99933	0.066	9.99970	320
42	1.483	9.99390	0.354	9.99852	0.154	9.99935	0.069	9.99971	318
44	1.538	9.99410	0.368	9.99856	0.159	9.99937	0.072	9.99972	316
46	1.592	9.99431	0.381	9.99861	0.165	9.99940	0.074	9.99973	314
48	1.644	9.99453	0.393	9.99866	0.171	9.99942	0.077	9.99974	312
50	1.693	9.99476	0.405	9.99872	0.176	9.99944	0.079	9.99975	310
52	1.741	9.99499	0.417	9.99877	0.181	9.99947	0.081	9.99976	308
54	1.786	9.99523	0.428	9.99883	0.186	9.99949	0.083	9.99977	306
56	1.829	9.99547	0.438	9.99889	0.190	9.99951	0.085	9.99978	304
58	1.870	9.99572	0.448	9.99895	0.195	9.99954	0.087	9.99979	302
60	1.908	9.99598	0.458	9.99901	0.199	9.99957	0.089	9.99980	300
62	1.944	9.99623	0.467	9.99907	0.203	9.99959	0.091	9.99982	298
64	1.977	9.99650	0.475	9.99913	0.206	9.99962	0.093	9.99983	296
66	2.008	9.99676	0.483	9.99919	0.210	9.99965	0.094	9.99984	294
68	2.036	9.99704	0.490	9.99926	0.213	9.99967	0.096	9.99985	292
70	2.062	9.99731	0.496	9.99932	0.216	9.99970	0.097	9.99987	290
72	2.086	9.99759	0.502	9.99939	0.218	9.99973	0.098	9.99988	288
74	2.106	9.99787	0.508	9.99946	0.220	9.99976	0.099	9.99989	286
76	2.124	9.99815	0.512	9.99952	0.222	9.99979	0.100	9.99991	284
78	2.140	9.99843	0.516	9.99959	0.224	9.99982	0.101	9.99992	282
80	2.153	9.99872	0.520	9.99966	0.226	9.99985	0.102	9.99993	280
82	2.163	9.99900	0.523	9.99973	0.227	9.99988	0.102	9.99995	278
84	2.170	9.99929	0.525	9.99980	0.228	9.99991	0.103	9.99996	276
86	2.175	9.99958	0.526	9.99987	0.229	9.99994	0.103	9.99997	274
88	2.177	9.99987	0.527	9.99994	0.229	9.99997	0.103	9.99999	272
90	2.177	0.00016	0.527	0.00001	0.229	0.00000	0.103	0.00000	270

M	Mimas		Enceladus		Dione		Rhea		M
	±(v−M)	log r/a	±(v−M)	log r/a	±(v−M)	log r/a	±(v−M)	log r/a	
90°	2°.177	0.00016	0°.527	0.00001	0°.229	0.00000	0°.103	0.00000	270°
92	2.174	0.00044	0.527	0.00008	0.229	0.00003	0.103	0.00001	268
94	2.168	0.00073	0.526	0.00015	0.229	0.00006	0.103	0.00003	266
96	2.159	0.00101	0.524	0.00022	0.228	0.00009	0.103	0.00004	264
98	2.148	0.00130	0.522	0.00029	0.227	0.00012	0.102	0.00005	262
100	2.135	0.00158	0.519	0.00035	0.226	0.00015	0.102	0.00007	260
102	2.119	0.00186	0.515	0.00042	0.224	0.00018	0.101	0.00008	258
104	2.100	0.00214	0.511	0.00049	0.222	0.00021	0.100	0.00009	256
106	2.079	0.00241	0.506	0.00056	0.220	0.00024	0.099	0.00011	254
108	2.055	0.00268	0.500	0.00062	0.218	0.00027	0.098	0.00012	252
110	2.029	0.00295	0.494	0.00069	0.215	0.00030	0.097	0.00013	250
112	2.000	0.00321	0.488	0.00075	0.212	0.00033	0.096	0.00015	248
114	1.969	0.00347	0.480	0.00082	0.209	0.00035	0.094	0.00016	246
116	1.936	0.00373	0.473	0.00088	0.206	0.00038	0.093	0.00017	244
118	1.901	0.00398	0.464	0.00094	0.202	0.00041	0.091	0.00018	242
120	1.863	0.00422	0.455	0.00100	0.198	0.00044	0.089	0.00019	240
122	1.823	0.00446	0.446	0.00106	0.194	0.00046	0.087	0.00021	238
124	1.781	0.00469	0.436	0.00112	0.190	0.00049	0.085	0.00022	236
126	1.737	0.00492	0.425	0.00118	0.185	0.00051	0.083	0.00023	234
128	1.691	0.00514	0.414	0.00123	0.180	0.00053	0.081	0.00024	232
130	1.643	0.00536	0.402	0.00129	0.175	0.00056	0.079	0.00025	230
132	1.593	0.00557	0.390	0.00134	0.170	0.00058	0.077	0.00026	228
134	1.541	0.00577	0.378	0.00139	0.164	0.00060	0.074	0.00027	226
136	1.487	0.00597	0.365	0.00144	0.159	0.00062	0.072	0.00028	224
138	1.431	0.00616	0.351	0.00148	0.153	0.00065	0.069	0.00029	222
140	1.374	0.00634	0.337	0.00153	0.147	0.00067	0.066	0.00030	220
142	1.316	0.00651	0.323	0.00157	0.141	0.00068	0.064	0.00031	218
144	1.256	0.00668	0.308	0.00162	0.134	0.00070	0.061	0.00032	216
146	1.194	0.00683	0.293	0.00166	0.128	0.00072	0.058	0.00032	214
148	1.131	0.00698	0.278	0.00169	0.121	0.00074	0.055	0.00033	212
150	1.067	0.00713	0.262	0.00173	0.114	0.00075	0.052	0.00034	210
152	1.001	0.00726	0.246	0.00176	0.107	0.00077	0.048	0.00034	208
154	0.934	0.00738	0.230	0.00179	0.100	0.00078	0.045	0.00035	206
156	0.867	0.00750	0.213	0.00182	0.093	0.00079	0.042	0.00036	204
158	0.798	0.00760	0.196	0.00185	0.086	0.00080	0.039	0.00036	202
160	0.728	0.00770	0.179	0.00187	0.078	0.00081	0.035	0.00037	200
162	0.658	0.00779	0.162	0.00190	0.071	0.00082	0.032	0.00037	198
164	0.587	0.00787	0.144	0.00192	0.063	0.00083	0.028	0.00037	196
166	0.515	0.00794	0.127	0.00193	0.055	0.00084	0.025	0.00038	194
168	0.442	0.00800	0.109	0.00195	0.048	0.00085	0.021	0.00038	192
170	0.369	0.00805	0.091	0.00196	0.040	0.00085	0.018	0.00038	190
172	0.296	0.00810	0.073	0.00197	0.032	0.00086	0.014	0.00039	188
174	0.222	0.00813	0.055	0.00198	0.024	0.00086	0.011	0.00039	186
176	0.148	0.00815	0.037	0.00199	0.016	0.00086	0.007	0.00039	184
178	0.074	0.00817	0.018	0.00199	0.008	0.00087	0.004	0.00039	182
180	0.000	0.00817	0.000	0.00199	0.000	0.00087	0.000	0.00039	180

Bewegung der mittleren Länge *L* und der mittleren Anomalie *M*

Zeit	Mimas *L*	Mimas *M*	Enceladus *L*	Enceladus *M*	Tethys *L*	Dione *L*	Dione *M*	Rhea *L*	Rhea *M*
1^{d}	21°.995	21°.00	262°.732	262°.4	190°.698	131°.535	131°.5	79°.690	79°.7
1^{h}	15.916	15.87	10.947	10.9	7.946	5.481	5.5	3.320	3.3
2	31.833	31.75	21.894	21.9	15.892	10.961	11.0	6.641	6.6
3	47.749	47.62	32.842	32.8	23.838	16.442	16.4	9.961	10.0
4	63.666	63.50	43.789	43.7	31.783	21.923	21.9	13.282	13.3
5	79.582	79.37	54.736	54.7	39.729	27.403	27.4	16.602	16.6
6	95.499	95.25	65.683	65.6	47.675	32.884	32.9	19.923	19.9
7	111.415	111.12	76.630	76.5	55.621	38.364	38.4	23.244	23.2
8	127.332	127.00	87.577	87.5	63.566	43.845	43.8	26.564	26.6
9	143.248	142.87	98.525	98.4	71.512	49.326	49.3	29.884	29.9
10	159.165	158.75	109.472	109.3	79.458	54.806	54.8	33.205	33.2
11	175.081	174.62	120.419	120.3	87.403	60.287	60.3	36.525	36.5
12	190.997	190.50	131.366	131.2	95.349	65.767	65.7	39.845	39.8
13	206.914	206.37	142.313	142.1	103.295	71.248	71.2	43.166	43.2
14	222.830	222.25	153.260	153.1	111.241	76.729	76.7	46.486	46.5
15	238.747	238.12	164.208	164.0	119.186	82.209	82.2	49.806	49.8
16	254.663	254.00	175.155	174.9	127.132	87.690	87.7	53.127	53.1
17	270.580	269.87	186.102	185.9	135.078	93.171	93.1	56.447	56.5
18	286.496	285.75	197.049	196.8	143.024	98.651	98.6	59.768	59.8
19	302.413	301.62	207.997	207.7	150.970	104.132	104.1	63.088	63.1
20	318.329	317.50	218.944	218.7	158.916	109.613	109.6	66.409	66.4
21	334.246	333.37	229.891	229.6	166.861	115.093	115.1	69.729	69.7
22	350.162	349.25	240.838	240.5	174.806	120.574	120.5	73.050	73.1
23	6.079	5.12	251.785	251.5	182.752	126.054	126.0	76.370	76.4
1^{m}	0.265	0.26	0.182	0.2	0.132	0.091	0.1	0.055	0.0
2	0.531	0.53	0.365	0.4	0.265	0.183	0.2	0.111	0.1
3	0.796	0.79	0.547	0.5	0.397	0.274	0.3	0.166	0.1
4	1.061	1.06	0.730	0.7	0.530	0.365	0.4	0.221	0.2
5	1.326	1.32	0.912	0.9	0.662	0.457	0.5	0.277	0.3
6	1.592	1.58	1.095	1.1	0.795	0.548	0.5	0.332	0.3
7	1.857	1.85	1.278	1.3	0.927	0.640	0.6	0.387	0.3
8	2.122	2.11	1.460	1.4	1.060	0.731	0.7	0.442	0.4
9	2.388	2.38	1.642	1.6	1.192	0.822	0.8	0.497	0.4
10	2.653	2.64	1.825	1.8	1.324	0.914	0.9	0.553	0.5
20	5.305	5.29	3.649	3.6	2.649	1.827	1.8	1.107	1.1
30	7.958	7.93	5.474	5.4	3.973	2.740	2.7	1.660	1.6
40	10.611	10.58	7.298	7.3	5.297	3.654	3.7	2.214	2.2
50	13.263	13.22	9.123	9.1	6.622	4.567	4.6	2.767	2.7
10^{s}	0.044	0.04	0.030	0.0	0.022	0.015	0.0	0.009	0.0
20	0.088	0.09	0.061	0.1	0.044	0.030	0.0	0.018	0.0
30	0.133	0.13	0.091	0.1	0.066	0.046	0.0	0.028	0.0
40	0.177	0.17	0.122	0.1	0.088	0.061	0.1	0.037	0.0
50	0.221	0.22	0.152	0.2	0.110	0.076	0.1	0.046	0.0

Mittlere Zeit Greenwich	ϑ					γ	N	J	ω
	Mimas	Encel.	Tethys	Dione	Rhea	Rhea	Saturnsring		
1921 Dez. 24.5	211°.4	243°.6	131°.2	215°.1	61°.3	17'.95	127°.296	6°.831	42°.248
1922 Jan. 9.5	195.4	236.9	128.1	213.8	60.9	17.95	127.297	6.831	42.247
25.5	179.4	230.2	124.9	212.4	60.4	17.94	127.299	6.831	42.246
Febr. 10.5	163.4	223.5	121.8	211.1	59.9	17.94	127.301	6.831	42.244
26.5	147.4	216.8	118.6	209.7	59.4	17.93	127.303	6.831	42.243
März 14.5	131.4	210.1	115.4	208.4	58.9	17.92	127.305	6.831	42.242
30.5	115.4	203.5	112.2	207.0	58.4	17.92	127.307	6.830	42.241
April 15.5	99.4	196.8	109.1	205.7	57.9	17.91	127.308	6.830	42.239
Mai 1.5	83.4	190.1	105.9	204.3	57.4	17.91	127.310	6.830	42.238
17.5	67.4	183.4	102.7	202.9	56.9	17.90	127.312	6.830	42.237
Juni 2.5	51.4	176.7	99.5	201.6	56.4	17.89	127.314	6.830	42.236
18.5	35.4	170.0	96.3	200.2	55.9	17.89	127.316	6.829	42.234
Juli 4.5	19.4	163.3	93.2	198.9	55.4	17.88	127.317	6.829	42.233
20.5	3.4	156.7	90.0	197.5	54.9	17.88	127.319	6.829	42.232
Aug. 5.5	347.3	150.0	86.8	196.2	54.4	17.87	127.321	6.829	42.231
21.5	331.3	143.3	83.6	194.8	53.9	17.87	127.323	6.829	42.229
Sept. 6.5	315.3	136.6	80.5	193.5	53.4	17.86	127.325	6.828	42.228
22.5	299.3	129.9	77.3	192.1	52.9	17.86	127.326	6.828	42.227
Okt. 8.5	283.3	123.3	74.1	190.7	52.4	17.85	127.328	6.828	42.226
24.5	267.3	116.6	70.9	189.4	51.9	17.85	127.330	6.828	42.225
Nov. 9.5	251.3	109.9	67.7	188.0	51.4	17.84	127.332	6.828	42.223
25.5	235.3	103.2	64.6	186.7	50.9	17.84	127.334	6.827	42.222
Dez. 11.5	219.3	96.5	61.4	185.3	50.4	17.83	127.335	6.827	42.221
27.5	203.3	89.8	58.2	184.0	49.9	17.83	127.337	6.827	42.220
43.5	187.3	83.1	55.0	182.6	49.4	17.83	127.339	6.827	42.218

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale

u − U		Mimas	Encel.	Tethys	Dione	Rhea	u − U	
0°	360°	−6+	−7+	−9+	−11+	−16+	180°	180°
10	350	−6+	−7+	−9+	−11+	−16+	170	190
20	340	−5+	−7+	−8+	−11+	−15+	160	200
30	330	−5+	−6+	−8+	−10+	−14+	150	210
40	320	−4+	−6+	−7+	−9+	−12+	140	220
50	310	−3+	−5+	−6+	−8+	−10+	130	230
60	300	−3+	−4+	−4+	−6+	−8+	120	240
70	290	−2+	−3+	−3+	−4+	−6+	110	250
80	280	−1+	−1+	−2+	−2+	−3+	100	260
90	270	0	0	0	0	0	90	270

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	B	P	U	B	P	U	B	P
1922									
Jan. −0.5	61°.779	+6°.496	−3°.065	56°.859	+6°.058	−3°.443	137°.273	+10°.676	+10°.537
+1.5	61.837	6.514	3.059	56.915	6.076	3.437	137.331	10.680	10.547
3.5	61.887	6.528	3.054	56.965	6.091	3.433	137.385	10.682	10.556
5.5	61.930	6.540	3.050	57.008	6.103	3.429	137.432	10.683	10.564
7.5	61.966	6.548	3.046	57.045	6.111	3.426	137.471	10.682	10.571
9.5	61.997	+6.552	−3.043	57.076	+6.116	−3.423	137.503	+10.678	+10.577
11.5	62.022	6.553	3.040	57.101	6.117	3.421	137.528	10.673	10.581
13.5	62.041	6.551	3.038	57.119	6.115	3.420	137.546	10.666	10.584
15.5	62.053	6.546	3.037	57.130	6.110	3.419	137.556	10.658	10.586
17.5	62.057	6.538	3.037	57.135	6.102	3.419	137.558	10.649	10.587
19.5	62.055	+6.526	−3.037	57.133	+6.091	−3.419	137.555	+10.638	+10.586
21.5	62.046	6.511	3.038	57.125	6.077	3.420	137.544	10.625	10.583
23.5	62.031	6.494	3.039	57.110	6.060	3.421	137.525	10.612	10.580
25.5	62.009	6.473	3.041	57.089	6.039	3.423	137.499	10.598	10.576
27.5	61.981	6.450	3.044	57.061	6.015	3.425	137.466	10.582	10.571
29.5	61.948	+6.423	−3.048	57.028	+5.987	−3.428	137.426	+10.564	+10.565
31.5	61.908	6.394	3.052	56.988	5.957	3.432	137.379	10.545	10.557
Febr. 2.5	61.861	6.362	3.057	56.942	5.924	3.437	137.326	10.524	10.548
4.5	61.809	6.326	3.062	56.889	5.888	3.442	137.267	10.501	10.537
6.5	61.751	6.287	3.067	56.830	5.849	3.447	137.201	10.477	10.525
8.5	61.687	+6.246	−3.073	56.766	+5.808	−3.453	137.129	+10.453	+10.513
10.5	61.617	6.202	3.080	56.696	5.764	3.459	137.050	10.427	10.500
12.5	61.542	6.156	3.088	56.620	5.717	3.466	136.965	10.401	10.485
14.5	61.461	6.107	3.096	56.539	5.668	3.473	136.874	10.373	10.469
16.5	61.374	6.056	3.104	56.453	5.617	3.481	136.777	10.345	10.453
18.5	61.282	+6.004	−3.113	56.362	+5.564	−3.489	136.674	+10.316	+10.435
20.5	61.185	5.949	3.123	56.266	5.509	3.498	136.566	10.284	10.416
22.5	61.084	5.892	3.133	56.166	5.452	3.507	136.453	10.251	10.396
24.5	60.979	5.834	3.143	56.061	5.393	3.517	136.336	10.217	10.375
26.5	60.870	5.774	3.154	55.952	5.331	3.527	136.215	10.182	10.353
28.5	60.757	+5.712	−3.165	55.839	+5.267	−3.537	136.089	+10.147	+10.331
März 2.5	60.640	5.649	3.177	55.722	5.202	3.548	135.959	10.111	10.308
4.5	60.519	5.584	3.189	55.602	5.135	3.559	135.826	10.075	10.285
6.5	60.395	5.517	3.201	55.478	5.067	3.570	135.688	10.040	10.261
8.5	60.268	5.448	3.214	55.351	4.999	3.582	135.547	10.003	10.236
10.5	60.139	+5.378	−3.226	55.222	+4.930	−3.594	135.404	+ 9.967	+10.211
12.5	60.007	5.308	3.239	55.091	4.860	3.606	135.259	9.930	10.185
14.5	59.873	5.237	3.252	54.958	4.789	3.618	135.111	9.893	10.159
16.5	59.738	5.165	3.265	54.823	4.717	3.630	134.962	9.856	10.133
18.5	59.601	5.094	3.278	54.686	4.645	3.642	134.811	9.819	10.106

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
1922									
März 18.5	59.601	+5.094	−3.278	54.686	+4.645	−3.642	134.811	+9.819	+10.106
20.5	59.462	5.022	3.292	54.548	4.572	3.655	134.659	9.782	10.079
22.5	59.322	4.950	3.306	54.409	4.500	3.668	134.505	9.744	10.051
24.5	59.181	4.877	3.320	54.270	4.427	3.681	134.351	9.706	10.024
26.5	59.041	4.805	3.334	54.130	4.355	3.693	134.196	9.668	9.996
28.5	58.902	+4.734	−3.348	53.991	+4.283	−3.706	134.042	+9.631	+ 9.968
30.5	58.763	4.664	3.362	53.852	4.212	3.718	133.888	9.594	9.940
April 1.5	58.624	4.595	3.375	53.713	4.141	3.731	133.737	9.558	9.913
3.5	58.487	4.527	3.388	53.575	4.071	3.743	133.586	9.522	9.885
5.5	58.351	4.460	3.401	53.439	4.002	3.755	133.437	9.487	9.858
7.5	58.216	+4.393	−3.414	53.305	+3.934	−3.767	133.289	+9.452	+ 9.831
9.5	58.082	4.327	3.426	53.172	3.868	3.779	133.143	9.418	9.804
11.5	57.950	4.263	3.439	53.042	3.804	3.791	132.999	9.385	9.778
13.5	57.821	4.200	3.451	52.914	3.741	3.802	132.859	9.352	9.752
15.5	57.695	4.140	3.463	52.788	3.680	3.813	132.722	9.320	9.727
17.5	57.573	+4.081	−3.475	52.665	+3.620	−3.824	132.588	+9.290	+ 9.703
19.5	57.454	4.024	3.487	52.545	3.562	3.835	132.458	9.261	9.679
21.5	57.338	3.970	3.498	52.428	3.507	3.845	132.331	9.233	9.656
23.5	57.225	3.917	3.509	52.315	3.454	3.855	132.208	9.208	9.633
25.5	57.115	3.866	3.520	52.206	3.403	3.865	132.088	9.184	9.611
27.5	57.009	+3.816	−3.530	52.102	+3.355	−3.874	131.973	+9.162	+ 9.590
29.5	56.908	3.770	3.540	52.002	3.309	3.883	131.864	9.141	9.570
Mai 1.5	56.812	3.726	3.549	51.906	3.266	3.892	131.760	9.122	9.550
3.5	56.721	3.684	3.558	51.815	3.225	3.900	131.661	9.104	9.532
5.5	56.635	3.645	3.566	51.728	3.187	3.908	131.567	9.088	9.515
7.5	56.554	+3.610	−3.574	51.646	+3.151	−3.915	131.479	+9.073	+ 9.498
9.5	56.478	3.578	3.581	51.569	3.118	3.922	131.396	9.059	9.483
11.5	56.407	3.549	3.587	51.497	3.087	3.928	131.319	9.046	9.468
13.5	56.341	3.523	3.593	51.431	3.059	3.934	131.248	9.035	9.455
15.5	56.279	3.500	3.600	51.370	3.034	3.939	131.183	9.025	9.442
17.5	56.223	+3.479	−3.605	51.315	+3.012	−3.944	131.124	+9.017	+ 9.431
19.5	56.172	3.461	3.610	51.265	2.994	3.948	131.072	9.011	9.421
21.5	56.128	3.446	3.614	51.221	2.979	3.952	131.026	9.007	9.412
23.5	56.090	3.434	3.618	51.183	2.968	3.955	130.986	9.005	9.404
25.5	56.059	3.426	3.621	51.151	2.960	3.958	130.953	9.005	9.398
27.5	56.034	+3.422	−3.624	51.124	+2.955	−3.960	130.928	+9.006	+ 9.393
29.5	56.014	3.420	3.626	51.103	2.954	3.962	130.908	9.009	9.389
31.5	56.000	3.422	3.627	51.089	2.955	3.963	130.894	9.013	9.387
Juni 2.5	55.991	3.426	3.628	51.081	2.959	3.964	130.888	9.019	9.386
4.5	55.987	3.433	3.628	51.079	2.967	3.964	130.888	9.026	9.386

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	B	P	U	B	P	U	B	P
1922	°	°	°	°	°	°	°	°	°
Juni 4.5	55.987	+ 3.433	—3.628	51.079	+ 2.967	—3.964	130.888	+ 9.026	+ 9.386
6.5	55.990	3.443	3.628	51.083	2.977	3.964	130.895	9.035	9.387
8.5	55.999	3.456	3.627	51.092	2.991	3.964	130.909	9.045	9.389
10.5	56.015	3.473	3.625	51.107	3.007	3.963	130.930	9.057	9.393
12.5	56.037	3.493	3.623	51.129	3.027	3.961	130.956	9.071	9.398
14.5	56.065	+ 3.516	—3.620	51.157	+ 3.050	—3.959	130.988	+ 9.087	+ 9.404
16.5	56.098	3.542	3.616	51.190	3.076	3.956	131.027	9.105	9.411
18.5	56.137	3.571	3.612	51.229	3.105	3.953	131.072	9.125	9.419
20.5	56.182	3.604	3.608	51.274	3.138	3.949	131.123	9.147	9.429
22.5	56.233	3.640	3.603	51.325	3.173	3.944	131.182	9.170	9.440
24.5	56.290	+ 3.678	—3.598	51.381	+ 3.211	—3.939	131.246	+ 9.195	+ 9.452
26.5	56.353	3.718	3.592	51.444	3.252	3.933	131.318	9.220	9.465
28.5	56.422	3.761	3.586	51.512	3.296	3.927	131.397	9.246	9.480
30.5	56.496	3.806	3.579	51.586	3.342	3.920	131.483	9.272	9.496
Juli 2.5	56.576	3.854	3.572	51.665	3.391	3.913	131.574	9.300	9.513
4.5	56.661	+ 3.905	—3.564	51.750	+ 3.443	—3.906	131.671	+ 9.330	+ 9.531
6.5	56.752	3.959	3.555	51.840	3.497	3.898	131.775	9.362	9.550
8.5	56.848	4.015	3.545	51.935	3.554	3.890	131.885	9.395	9.570
10.5	56.949	4.074	3.535	52.035	3.613	3.882	131.998	9.430	9.591
12.5	57.055	4.136	3.525	52.141	3.676	3.873	132.116	9.466	9.614
14.5	57.166	+ 4.200	—3.514	52.251	+ 3.741	—3.864	132.239	+ 9.503	+ 9.637
16.5	57.282	4.267	3.503	52.366	3.809	3.854	132.369	9.541	9.661
18.5	57.402	4.336	3.492	52.486	3.879	3.843	132.503	9.580	9.686
20.5	57.528	4.407	3.480	52.611	3.951	3.832	132.644	9.620	9.712
22.5	57.659	4.479	3.467	52.741	4.025	3.820	132.790	9.662	9.739
24.5	57.795	+ 4.553	—3.454	52.875	+ 4.101	—3.808	132.941	+ 9.705	+ 9.767
26.5	57.934	4.630	3.440	53.014	4.178	3.796	133.097	9.748	9.796
Dez. 9.5	71.416	+11.032	—2.072	66.431	+10.681	—2.534	147.901	+12.768	+12.223
11.5	71.569	11.092	2.055	66.582	10.742	2.519	148.066	12.789	12.246
13.5	71.716	11.149	2.039	66.729	10.800	2.504	148.224	12.808	12.268
15.5	71.858	11.204	2.024	66.870	10.856	2.490	148.377	12.826	12.289
17.5	71.995	11.256	2.009	67.007	10.909	2.476	148.524	12.843	12.310
19.5	72.128	11.305	1.995	67.139	10.960	2.463	148.666	12.859	12.330
21.5	72.255	+11.352	—1.982	67.265	+11.008	—2.450	148.802	+12.873	+12.350
23.5	72.377	11.396	1.969	67.385	11.054	2.438	148.932	12.886	12.369
25.5	72.494	11.438	1.956	67.501	11.097	2.427	149.055	12.899	12.387
27.5	72.604	11.478	1.944	67.611	11.137	2.416	149.172	12.911	12.404
29.5	72.708	11.514	1.932	67.715	11.175	2.405	149.284	12.922	12.418
31.5	72.807	11.548	1.921	67.814	11.210	2.395	149.391	12.932	12.431

Mittlere Zeit Greenwich	TITAN $\alpha_{tr} - \alpha_{pl}$		TITAN $\delta_{tr} - \delta_{pl}$		HYPERION $\alpha_{tr} - \alpha_{pl}$		HYPERION $\delta_{tr} - \delta_{pl}$		JAPETUS $\alpha_{tr} - \alpha_{pl}$		JAPETUS $\delta_{tr} - \delta_{pl}$	
1922												
Jan. 0.5	+10.11	+1.42	+17.9	−6.6	−10.29	−2.63	−22.7	+3.4	− 7.10	+2.56	+117.8	− 5.5
1.5	+11.53	−0.48	+11.3	−8.6	−12.92	−1.33	−19.3	+5.5	− 4.54	+2.59	+112.3	− 6.1
2.5	+11.05	−2.32	+ 2.7	−9.0	−14.25	−0.05	−13.8	+6.8	− 1.95	+2.62	+106.2	− 6.8
3.5	+ 8.73	−3.79	− 6.3	−8.1	−14.30	+1.13	− 7.0	+7.3	+ 0.67	+2.63	+ 99.4	− 7.4
4.5	+ 4.94	−4.61	−14.4	−5.7	−13.17	+2.13	+ 0.3	+7.3	+ 3.30	+2.62	+ 92.0	− 7.9
5.5	+ 0.33	−4.67	−20.1	−2.7	−11.04	+2.91	+ 7.6	+6.9	+ 5.92	+2.59	+ 84.1	− 8.4
6.5	− 4.34	−4.04	−22.8	+1.0	− 8.13	+3.48	+14.5	+5.9	+ 8.51	+2.55	+ 75.7	− 8.9
7.5	− 8.38	−2.81	−21.8	+4.1	− 4.65	+3.79	+20.4	+4.6	+11.06	+2.49	+ 66.8	− 9.2
8.5	−11.19	−1.24	−17.7	+6.6	− 0.86	+3.86	+25.0	+3.0	+13.55	+2.43	+ 57.6	− 9.6
9.5	−12.43	+0.59	−11.1	+8.0	+ 3.00	+3.68	+28.0	+1.2	+15.98	+2.35	+ 48.0	− 9.9
10.5	−11.84	+2.21	− 3.1	+8.8	+ 6.68	+3.25	+29.2	−0.8	+18.33	+2.26	+ 38.1	−10.3
11.5	− 9.63	+3.60	+ 5.7	+8.1	+ 9.93	+2.55	+28.4	−2.9	+20.59	+2.16	+ 27.8	−10.6
12.5	− 6.03	+4.47	+13.8	+6.0	+12.48	+1.62	+25.5	−4.7	+22.75	+2.04	+ 17.2	−10.8
13.5	− 1.56	+4.72	+19.8	+2.8	+14.10	+0.47	+20.8	−6.5	+24.79	+1.90	+ 6.4	−10.9
14.5	+ 3.16	+4.25	+22.6	−0.4	+14.57	−0.84	+14.3	−7.8	+26.69	+1.74	− 4.5	−10.8
15.5	+ 7.41	+3.09	+22.2	−4.1	+13.73	−2.19	+ 6.5	−8.3	+28.43	+1.55	− 15.3	−10.7
16.5	+10.50	+1.39	+18.1	−6.9	+11.54	−3.45	− 1.8	−8.3	+29.98	+1.38	− 26.0	−10.6
17.5	+11.89	−0.59	+11.2	−8.8	+ 8.09	−4.38	−10.1	−7.1	+31.36	+1.19	− 36.6	−10.4
18.5	+11.30	−2.49	+ 2.4	−9.4	+ 3.71	−4.84	−17.2	−5.0	+32.55	+1.00	− 47.0	−10.1
19.5	+ 8.81	−3.95	− 7.0	−8.1	− 1.13	−4.73	−22.2	−2.4	+33.55	+0.81	− 57.1	− 9.8
20.5	+ 4.86	−4.79	−15.1	−5.6	− 5.86	−4.05	−24.6	+0.5	+34.36	+0.60	− 66.9	− 9.5
21.5	+ 0.07	−4.77	−20.7	−2.5	− 9.91	−2.99	−24.1	+3.1	+34.96	+0.39	− 76.4	− 9.0
22.5	− 4.70	−4.10	−23.2	+1.0	−12.90	−1.70	−21.0	+5.2	+35.35	+0.16	− 85.4	− 8.5
23.5	− 8.80	−2.80	−22.2	+4.4	−14.60	−0.36	−15.8	+6.7	+35.51	−0.09	− 93.9	− 7.8
24.5	−11.60	−1.16	−17.8	+6.9	−14.96	+0.89	− 9.1	+7.5	+35.42	−0.32	−101.7	− 7.2
25.5	−12.76	+0.64	−10.9	+8.5	−14.07	+1.99	− 1.6	+7.6	+35.10	−0.55	−108.9	− 6.5
26.5	−12.12	+2.40	− 2.4	+8.8	−12.08	+2.86	+ 6.0	+7.1	+34.55	−0.76	−115.4	− 5.8
27.5	− 9.72	+3.78	+ 6.4	+7.9	− 9.22	+3.50	+13.1	+6.3	+33.79	−0.98	−121.2	− 5.0
28.5	− 5.94	+4.62	+14.3	+5.8	− 5.72	+3.90	+19.4	+5.0	+32.81	−1.20	−126.2	− 4.2
29.5	− 1.32	+4.87	+20.1	+2.8	− 1.82	+4.02	+24.4	+3.4	+31.61	−1.41	−130.4	− 3.3
30.5	+ 3.55	+4.28	+22.9	−0.7	+ 2.20	+3.89	+27.8	+1.6	+30.20	−1.62	−133.7	− 2.5
31.5	+ 7.83	+3.07	+22.2	−4.2	+ 6.09	+3.50	+29.4	−0.3	+28.58	−1.81	−136.2	− 1.5
Febr. 1.5	+10.90	+1.32	+18.0	−7.0	+ 9.59	+2.83	+29.1	−2.4	+26.77	−2.00	−137.7	− 0.6
2.5	+12.22	−0.74	+11.0	−9.0	+12.42	+1.90	+26.7	−4.3	+24.77	−2.19	−138.3	+ 0.3
3.5	+11.48	−2.67	+ 2.0	−9.2	+14.32	+0.74	+22.4	−6.2	+22.58	−2.36	−138.0	+ 1.4
4.5	+ 8.81	−4.13	− 7.2	−8.1	+15.06	−0.60	+16.2	−7.6	+20.22	−2.50	−136.6	+ 2.4
5.5	+ 4.68	−4.92	−15.3	−5.6	+14.46	−2.02	+ 8.6	−8.3	+17.72	−2.63	−134.2	+ 3.3
6.5	− 0.24	−4.89	−20.9	−2.3	+12.44	−3.34	+ 0.3	−8.4	+15.09	−2.74	−130.9	+ 4.2
7.5	− 5.13	−4.13	−23.2	+1.2	+ 9.10	−4.39	− 8.1	−7.4	+12.35	−2.84	−126.7	+ 5.0
8.5	− 9.26		−22.0		+ 4.71		−15.5		+ 9.51		−121.7	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr}-\alpha_{pl}$		$\delta_{tr}-\delta_{pl}$		$\alpha_{tr}-\alpha_{pl}$		$\delta_{tr}-\delta_{pl}$		$\alpha_{tr}-\alpha_{pl}$		$\delta_{tr}-\delta_{pl}$	
1922	s	s	"	"	s	s	"	"	s	s	"	'
Febr. 8.5	− 9.26	−2.76	−22.0	+4.4	+ 4.71	−4.97	−15.5	−5.6	+ 9.51	−2.91	−121.7	+ 5.9
9.5	−12.02	−1.05	−17.6	+6.9	− 0.26	−4.96	−21.1	−3.1	+ 6.60	−2.97	−115.8	+ 6.8
10.5	−13.07	+0.81	−10.7	+8.4	− 5.22	−4.35	−24.2	−0.2	+ 3.63	−3.00	−109.0	+ 7.5
11.5	−12.26	+2.56	− 2.3	+8.7	− 9.57	−3.31	−24.4	+2.4	+ 0.63	−3.02	−101.5	+ 8.3
12.5	− 9.70	+3.95	+ 6.4	+7.7	−12.88	−1.99	−22.0	+4.7	− 2.39	−3.00	− 93.2	+ 9.0
13.5	− 5.75	+4.79	+14.1	+5.7	−14.87	−0.60	−17.3	+6.2	− 5.39	−2.98	− 84.2	+ 9.5
14.5	− 0.96	+4.94	+19.8	+2.7	−15.47	+0.73	−11.1	+7.2	− 8.37	−2.93	− 74.7	+10.1
15.5	+ 3.98	+4.34	+22.5	−0.7	−14.74	+1.88	− 3.9	+7.4	−11.30	−2.86	− 64.6	+10.5
16.5	+ 8.32	+3.01	+21.8	−4.1	−12.86	+2.82	+ 3.5	+7.2	−14.16	−2.76	− 54.1	+11.0
17.5	+11.33	+1.16	+17.7	−7.0	−10.04	+3.53	+10.7	+6.3	−16.92	−2.65	− 43.1	+11.3
18.5	+12.49	−0.91	+10.7	−8.8	− 6.51	+3.98	+17.0	+5.3	−19.57	−2.53	− 31.8	+11.4
19.5	+11.58	−2.87	+ 1.9	−9.0	− 2.53	+4.15	+22.3	+3.8	−22.10	−2.39	− 20.4	+11.6
20.5	+ 8.71	−4.33	− 7.1	−7.8	+ 1.62	+4.05	+26.1	+2.1	−24.49	−2.22	− 8.8	+11.7
21.5	+ 4.38	−5.05	−14.9	−5.4	+ 5.67	+3.67	+28.2	+0.3	−26.71	−2.03	+ 2.9	+11.6
22.5	− 0.67	−4.97	−20.3	−2.3	+ 9.34	+3.03	+28.5	−1.7	−28.74	−1.85	+ 14.5	+11.5
23.5	− 5.64	−4.11	−22.6	+1.2	+12.37	+2.10	+26.8	−3.7	−30.59	−1.65	+ 26.0	+11.3
24.5	− 9.75	−2.68	−21.4	+4.3	+14.47	+0.94	+23.1	−5.5	−32.24	−1.43	+ 37.3	+11.1
25.5	−12.43	−0.87	−17.1	+6.7	+15.41	−0.41	+17.6	−6.9	−33.67	−1.21	+ 48.4	+10.7
26.5	−13.30	+1.00	−10.4	+8.1	+15.00	−1.87	+10.7	−7.9	−34.88	−0.98	+ 59.1	+10.3
27.5	−12.30	+2.75	− 2.3	+8.4	+13.13	−3.27	+ 2.8	−8.2	−35.86	−0.75	+ 69.4	+ 9.9
28.5	− 9.55	+4.12	+ 6.1	+7.4	+ 9.86	−4.39	− 5.4	−7.5	−36.61	−0.51	+ 79.3	+ 9.3
März 1.5	− 5.43	+4.92	+13.5	+5.5	+ 5.47	−5.05	−12.9	−5.9	−37.12	−0.27	+ 88.6	+ 8.7
2.5	− 0.51	+5.00	+19.0	+2.6	+ 0.42	−5.11	−18.8	−3.7	−37.39	−0.02	+ 97.3	+ 8.1
3.5	+ 4.49	+4.30	+21.6	−0.6	− 4.69	−4.56	−22.5	−1.1	−37.41	+0.21	+105.4	+ 7.4
4.5	+ 8.79	+2.90	+21.0	−4.0	− 9.25	−3.53	−23.6	+1.6	−37.20	+0.45	+112.8	+ 6.7
5.5	+11.69	+1.00	+17.0	−6.6	−12.78	−2.21	−22.0	+3.8	−36.75	+0.69	+119.5	+ 5.9
6.5	+12.69	−1.14	+10.4	−8.3	−14.99	−0.78	−18.2	+5.4	−36.06	+0.91	+125.4	+ 5.1
7.5	+11.55	−3.10	+ 2.1	−8.6	−15.77	+0.60	−12.8	+6.5	−35.15	+1.13	+130.5	+ 4.3
8.5	+ 8.45	−4.48	− 6.5	−7.5	−15.17	+1.80	− 6.3	+6.9	−34.02	+1.35	+134.8	+ 3.3
9.5	+ 3.97	−5.16	−14.0	−5.2	−13.37	+2.79	+ 0.6	+6.8	−32.67	+1.55	+138.1	+ 2.5
10.5	− 1.19	−4.96	−19.2	−2.2	−10.58	+3.54	+ 7.4	+6.3	−31.12	+1.75	+140.6	+ 1.6
11.5	− 6.15	−4.05	−21.4	+1.0	− 7.04	+4.01	+13.7	+5.3	−29.37	+1.92	+142.2	+ 0.8
12.5	−10.20	−2.54	−20.4	+4.0	− 3.03	+4.22	+19.0	+4.1	−27.45	+2.09	+143.0	− 0.2
13.5	−12.74	−0.69	−16.4	+6.2	+ 1.19	+4.14	+23.1	+2.6	−25.36	+2.25	+142.8	− 1.0
14.5	−13.43	+1.21	−10.2	+7.6	+ 5.33	+3.79	+25.7	+0.9	−23.11	+2.40	+141.8	− 1.9
15.5	−12.22	+2.95	− 2.6	+7.9	+ 9.12	+3.15	+26.6	−0.9	−20.71	+2.51	+139.9	− 2.7
16.5	− 9.27	+4.28	+ 5.3	+7.1	+12.27	+2.24	+25.7	−2.7	−18.20	+2.63	+137.2	− 3.6
17.5	− 4.99	+5.00	+12.4	+5.2	+14.51	+1.07	+23.0	−4.5	−15.57	+2.73	+133.6	− 4.3
18.5	+ 0.01	+5.00	+17.6	+2.7	+15.58	−0.28	+18.5	−6.0	−12.84	+2.80	+129.3	− 5.1
19.5	+ 5.01		+20.3		+15.30		+12.5		−10.04		+124.2	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$	Δ	$\delta_{tr} - \delta_{pl}$	Δ	$\alpha_{tr} - \alpha_{pl}$	Δ	$\delta_{tr} - \delta_{pl}$	Δ	$\alpha_{tr} - \alpha_{pl}$	Δ	$\delta_{tr} - \delta_{pl}$	Δ
1922	s	s	"	"	s	s	"	"	s	s	"	"
März 19.5	+ 5.01	+4.22	+20.3	−0.5	+15.30	−1.75	+12.5	−7.2	−10.04	+2.86	+124.2	− 5.8
20.5	+ 9.23	+2.74	+19.8	−3.5	+13.55	−3.18	+ 5.3	−7.6	− 7.18	+2.90	+118.4	− 6.6
21.5	+11.97	+0.77	+16.3	−6.1	+10.37	−4.35	− 2.3	−7.3	− 4.28	+2.93	+111.8	− 7.2
22.5	+12.74	−1.36	+10.2	−7.8	+ 6.02	−5.06	− 9.6	−6.1	− 1.35	+2.95	+104.6	− 7.9
23.5	+11.38	−3.28	+ 2.4	−8.1	+ 0.96	−5.18	−15.7	−4.2	+ 1.60	+2.93	+ 96.7	− 8.3
24.5	+ 8.10	−4.63	− 5.7	−7.1	− 4.22	−4.69	−19.9	−1.9	+ 4.53	+2.90	+ 88.4	− 8.9
25.5	+ 3.47	−5.19	−12.8	−5.0	− 8.91	−3.67	−21.8	+0.5	+ 7.43	+2.87	+ 79.5	− 9.3
26.5	− 1.72	−4.93	−17.8	−2.2	−12.58	−2.34	−21.3	+2.7	+10.30	+2.80	+ 70.2	− 9.6
27.5	− 6.65	−3.92	−20.0	+0.7	−14.92	−0.90	−18.6	+4.4	+13.10	+2.72	+ 60.6	−10.1
28.5	−10.57	−2.35	−19.3	+3.5	−15.82	+0.48	−14.2	+5.6	+15.82	+2.63	+ 50.5	−10.4
29.5	−12.92	−0.50	−15.8	+5.7	−15.34	+1.73	− 8.6	+6.2	+18.45	+2.52	+ 40.1	−10.5
30.5	−13.42	+1.43	−10.1	+7.1	−13.61	+2.74	− 2.4	+6.3	+20.97	+2.39	+ 29.6	−10.7
31.5	−11.99	+3.12	− 3.0	+7.4	−10.87	+3.50	+ 3.9	+6.0	+23.36	+2.25	+ 18.9	−10.7
April 1.5	− 8.87	+4.39	+ 4.4	+6.7	− 7.37	+4.00	+ 9.9	+5.3	+25.61	+2.09	+ 8.2	−10.8
2.5	− 4.48	+5.03	+11.1	+5.1	− 3.37	+4.22	+15.2	+4.3	+27.70	+1.91	− 2.6	−10.7
3.5	+ 0.55	+4.95	+16.2	+2.6	+ 0.85	+4.16	+19.5	+3.0	+29.61	+1.73	− 13.3	−10.6
4.5	+ 5.50	+4.08	+18.8	−0.2	+ 5.01	+3.82	+22.5	+1.5	+31.34	+1.54	− 23.9	−10.4
5.5	+ 9.58	+2.54	+18.6	−3.1	+ 8.83	+3.20	+24.0	0.0	+32.88	+1.33	− 34.3	−10.2
6.5	+12.12	+0.54	+15.5	−5.6	+12.03	+2.31	+24.0	−1.8	+34.21	+1.11	− 44.5	− 9.8
7.5	+12.66	−1.58	+ 9.9	−7.1	+14.34	+1.17	+22.2	−3.5	+35.32	+0.90	− 54.3	− 9.4
8.5	+11.08	−3.44	+ 2.8	−7.6	+15.51	−0.18	+18.7	−4.9	+36.22	+0.67	− 63.7	− 9.0
9.5	+ 7.64	−4.70	− 4.8	−6.7	+15.33	−1.63	+13.8	−6.2	+36.89	+0.42	− 72.7	− 8.5
10.5	+ 2.94	−5.18	−11.5	−4.8	+13.70	−3.05	+ 7.6	−6.9	+37.31	+0.18	− 81.2	− 7.9
11.5	− 2.24	−4.83	−16.3	−2.3	+10.65	−4.24	+ 0.7	−6.9	+37.49	−0.06	− 89.1	− 7.3
12.5	− 7.07	−3.75	−18.6	+0.4	+ 6.41	−5.00	− 6.2	−6.2	+37.43	−0.30	− 96.4	− 6.7
13.5	−10.82	−2.15	−18.2	+3.1	+ 1.41	−5.16	−12.4	−4.6	+37.13	−0.55	−103.1	− 6.0
14.5	−12.97	−0.27	−15.1	+5.2	− 3.75	−4.70	−17.0	−2.7	+36.58	−0.80	−109.1	− 5.2
15.5	−13.24	+1.59	− 9.9	+6.5	− 8.45	−3.73	−19.7	−0.4	+35.78	−1.03	−114.3	− 4.5
16.5	−11.65	+3.26	− 3.4	+6.9	−12.18	−2.44	−20.1	+1.7	+34.75	−1.25	−118.8	− 3.6
17.5	− 8.39	+4.44	+ 3.5	+6.3	−14.62	−1.00	−18.4	+3.4	+33.50	−1.48	−122.4	− 2.7
18.5	− 3.95	+5.01	+ 9.8	+4.9	−15.62	+0.38	−15.0	+4.6	+32.02	−1.68	−125.1	− 1.9
19.5	+ 1.06	+4.84	+14.7	+2.7	−15.24	+1.62	−10.4	+5.4	+30.34	−1.88	−127.0	− 1.0
20.5	+ 5.90	+3.91	+17.4	0.0	−13.62	+2.64	− 5.0	+5.7	+28.46	−2.09	−128.0	− 0.2
21.5	+ 9.81	+2.32	+17.4	−2.7	−10.98	+3.41	+ 0.7	+5.6	+26.37	−2.28	−128.2	+ 0.7
22.5	+12.13	+0.33	+14.7	−5.0	− 7.57	+3.92	+ 6.3	+5.2	+24.09	−2.44	−127.5	+ 1.6
23.5	+12.46	−1.77	+ 9.7	−6.6	− 3.65	+4.15	+11.5	+4.5	+21.65	−2.57	−125.9	+ 2.5
24.5	+10.69	−3.55	+ 3.1	−7.1	+ 0.50	+4.12	+16.0	+3.4	+19.08	−2.69	−123.4	+ 3.3
25.5	+ 7.14	−4.73	− 4.0	−6.3	+ 4.62	+3.80	+19.4	+2.1	+16.39	−2.81	−120.1	+ 4.1
26.5	+ 2.41	−5.11	−10.3	−4.7	+ 8.42	+3.21	+21.5	+0.6	+13.58	−2.91	−116.0	+ 4.9
27.5	− 2.70		−15.0		+11.63		+22.1		+10.67		−111.1	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1922	s	s	"	"	s	s	"	"	s	s	"	"
April 27.5	− 2.70	−4.68	−15.0	−2.4	+11.63	+2.35	+22.1	−0.9	+10.67	−2.97	−111.1	+ 5.7
28.5	− 7.38	−3.56	−17.4	+0.3	+13.98	+1.24	+21.2	−2.5	+ 7.70	−3.02	−105.4	+ 6.4
29.5	−10.94	−1.94	−17.1	+2.6	+15.22	−0.06	+18.7	−4.0	+ 4.68	−3.04	− 99.0	+ 7.2
30.5	−12.88	−0.08	−14.5	+4.8	+15.16	−1.47	+14.7	−5.4	+ 1.64	−3.05	− 91.8	+ 7.6
Mai 1.5	−12.96	+1.74	− 9.7	+6.0	+13.69	−2.88	+ 9.3	−6.3	− 1.41	−3.03	− 84.2	+ 8.2
2.5	−11.22	+3.33	− 3.7	+6.4	+10.81	−4.07	+ 3.0	−6.5	− 4.44	−2.99	− 76.0	+ 8.7
3.5	− 7.89	+4.45	+ 2.7	+6.1	+ 6.74	−4.86	− 3.5	−6.1	− 7.43	−2.92	− 67.3	+ 9.2
4.5	− 3.44	+4.93	+ 8.8	+4.8	+ 1.88	−5.07	− 9.6	−5.0	−10.35	−2.83	− 58.1	+ 9.5
5.5	+ 1.49	+4.70	+13.6	+2.7	− 3.19	−4.67	−14.6	−3.2	−13.18	−2.74	− 48.6	+ 9.8
6.5	+ 6.19	+3.72	+16.3	+0.2	− 7.86	−3.77	−17.8	−1.1	−15.92	−2.63	− 38.8	+10.0
7.5	+ 9.91	+2.11	+16.5	−2.4	−11.63	−2.48	−18.9	+0.8	−18.55	−2.50	− 28.8	+10.3
8.5	+12.02	+0.10	+14.1	−4.7	−14.11	−1.11	−18.1	+2.6	−21.05	−2.35	− 18.5	+10.2
9.5	+12.12	−1.87	+ 9.4	−6.2	−15.22	+0.25	−15.5	+3.9	−23.40	−2.19	− 8.3	+10.2
10.5	+10.25	−3.61	+ 3.2	−6.7	−14.97	+1.47	−11.6	+4.8	−25.59	−2.01	+ 1.9	+10.2
11.5	+ 6.64	−4.70	− 3.5	−6.1	−13.50	+2.49	− 6.8	+5.3	−27.60	−1.80	+ 12.1	+10.0
12.5	+ 1.94	−5.00	− 9.6	−4.5	−11.01	+3.26	− 1.5	+5.3	−29.40	−1.59	+ 22.1	+ 9.9
13.5	− 3.06	−4.51	−14.1	−2.4	− 7.75	+3.76	+ 3.8	+5.1	−30.99	−1.38	+ 32.0	+ 9.6
14.5	− 7.57	−3.35	−16.5	+0.1	− 3.99	+4.02	+ 8.9	+4.5	−32.37	−1.16	+ 41.6	+ 9.2
15.5	−10.92	−1.77	−16.4	+2.5	+ 0.03	+4.01	+13.4	+3.6	−33.53	−0.93	+ 50.8	+ 8.9
16.5	−12.69	+0.08	−13.9	+4.5	+ 4.04	+3.72	+17.0	+2.4	−34.46	−0.71	+ 59.7	+ 8.5
17.5	−12.61	+1.85	− 9.4	+5.7	+ 7.76	+3.18	+19.4	+1.2	−35.17	−0.48	+ 68.2	+ 8.0
18.5	−10.76	+3.36	− 3.7	+6.2	+10.94	+2.38	+20.6	−0.3	−35.65	−0.26	+ 76.2	+ 7.5
19.5	− 7.40	+4.41	+ 2.5	+5.9	+13.32	+1.35	+20.3	−1.9	−35.91	−0.03	+ 83.7	+ 6.8
20.5	− 2.99	+4.83	+ 8.4	+4.6	+14.67	+0.10	+18.4	−3.4	−35.94	+0.21	+ 90.5	+ 6.1
21.5	+ 1.84	+4.53	+13.0	+2.6	+14.77	−1.27	+15.0	−4.7	−35.73	+0.45	+ 96.6	+ 5.5
22.5	+ 6.37	+3.53	+15.6	+0.2	+13.50	−2.63	+10.3	−5.8	−35.28	+0.66	+102.1	+ 5.0
23.5	+ 9.90	+1.92	+15.8	−2.3	+10.87	−3.81	+ 4.5	−6.2	−34.62	+0.86	+107.1	+ 4.3
24.5	+11.82	−0.03	+13.5	−4.5	+ 7.06	−4.63	− 1.7	−6.0	−33.76	+1.07	+111.4	+ 3.7
25.5	+11.79	−1.99	+ 9.0	−6.0	+ 2.43	−4.91	− 7.7	−5.1	−32.69	+1.27	+115.1	+ 3.0
26.5	+ 9.80	−3.62	+ 3.0	−6.4	− 2.48	−4.60	−12.8	−3.5	−31.42	+1.45	+118.1	+ 2.4
27.5	+ 6.18	−4.62	− 3.4	−5.9	− 7.08	−3.77	−16.3	−1.6	−29.97	+1.62	+120.5	+ 1.6
28.5	+ 1.56	−4.87	− 9.3	−4.4	−10.85	−2.58	−17.9	+0.3	−28.35	+1.79	+122.1	+ 0.9
29.5	− 3.31	−4.34	−13.7	−2.3	−13.43	−1.25	−17.6	+2.1	−26.56	+1.93	+123.0	+ 0.1
30.5	− 7.65	−3.17	−16.0	+0.2	−14.68	+0.08	−15.5	+3.4	−24.63	+2.08	+123.1	− 0.7
31.5	−10.82	−1.60	−15.8	+2.4	−14.60	+1.26	−12.1	+4.4	−22.55	+2.20	+122.4	− 1.5
Juni 1.5	−12.42	+0.19	−13.4	+4.4	−13.34	+2.27	− 7.7	+5.0	−20.35	+2.31	+120.9	− 2.2
2.5	−12.23	+1.91	− 9.0	+5.6	−11.07	+3.05	− 2.7	+5.2	−18.04	+2.41	+118.7	− 2.9
3.5	−10.32	+3.36	− 3.4	+6.1	− 8.02	+3.57	+ 2.5	+5.0	−15.63	+2.49	+115.8	− 3.4
4.5	− 6.96	+4.33	+ 2.7	+5.7	− 4.45	+3.85	+ 7.5	+4.5	−13.14	+2.55	+112.4	− 4.0
5.5	− 2.63		+ 8.4		− 0.60		+12.0		−10.59		+108.4	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
1922	s	s	″	″	s	s	″	″	s	s	″	″
Juni 5.5	− 2.63	+4.70	+ 8.4	+4.4	− 0.60	+3.88	+12.0	+3.7	−10.59	+2.61	+108.4	−4.6
6.5	+ 2.07	+4.37	+12.8	+2.5	+ 3.28	+3.65	+15.7	+2.7	− 7.98	+2.63	+103.8	−5.3
7.5	+ 6.44	+3.35	+15.3	+0.1	+ 6.93	+3.16	+18.4	+1.4	− 5.35	+2.64	+ 98.5	−5.8
8.5	+ 9.79	+1.76	+15.4	−2.4	+10.09	+2.44	+19.8	0.0	− 2.71	+2.64	+ 92.7	−6.5
9.5	+11.55	−0.13	+13.0	−4.6	+12.53	+1.47	+19.8	−1.5	− 0.07	+2.64	+ 86.2	−7.1
10.5	+11.42	−2.04	+ 8.4	−5.9	+14.00	+0.30	+18.3	−3.1	+ 2.57	+2.65	+ 79.1	−7.5
11.5	+ 9.38	−3.59	+ 2.5	−6.4	+14.30	−1.01	+15.2	−4.5	+ 5.22	+2.60	+ 71.6	−7.8
12.5	+ 5.79	−4.53	− 3.9	−5.7	+13.29	−2.33	+10.7	−5.5	+ 7.82	+2.54	+ 63.8	−7.9
13.5	+ 1.26	−4.72	− 9.6	−4.2	+10.96	−3.50	+ 5.2	−6.1	+10.36	+2.47	+ 55.9	−8.2
14.5	− 3.46	−4.17	−13.8	−2.0	+ 7.46	−4.37	− 0.9	−6.0	+12.83	+2.40	+ 47.7	−8.4
15.5	− 7.63	−3.01	−15.8	+0.3	+ 3.09	−4.72	− 6.9	−5.1	+15.23	+2.31	+ 39.3	−8.6
16.5	−10.64	−1.46	−15.5	+2.6	− 1.63	−4.51	−12.0	−3.7	+17.54	+2.18	+ 30.7	−8.6
17.5	−12.10	+0.26	−12.9	+4.6	− 6.14	−3.79	−15.7	−1.8	+19.72	+2.05	+ 22.1	−8.7
18.5	−11.84	+1.93	− 8.3	+5.7	− 9.93	−2.70	−17.5	+0.1	+21.77	+1.92	+ 13.4	−8.7
19.5	− 9.91	+3.32	− 2.6	+6.0	−12.63	−1.43	−17.4	+1.9	+23.69	+1.78	+ 4.7	−8.8
20.5	− 6.59	+4.24	+ 3.4	+5.6	−14.06	−0.15	−15.5	+3.3	+25.47	+1.62	− 4.1	−8.9
21.5	− 2.35	+4.56	+ 9.0	+4.2	−14.21	+1.01	−12.2	+4.4	+27.09	+1.46	− 13.0	−8.9
22.5	+ 2.21	+4.20	+13.2	+2.2	−13.20	+2.01	− 7.8	+4.9	+28.55	+1.29	− 21.9	−8.8
23.5	+ 6.41	+3.21	+15.4	−0.2	−11.19	+2.80	− 2.9	+5.2	+29.84	+1.11	− 30.7	−8.6
24.5	+ 9.62	+1.65	+15.2	−2.7	− 8.39	+3.35	+ 2.3	+5.0	+30.95	+0.91	− 39.3	−8.3
25.5	+11.27	−0.22	+12.5	−4.8	− 5.04	+3.66	+ 7.3	+4.6	+31.86	+0.72	− 47.6	−8.0
26.5	+11.05	−2.04	+ 7.7	−6.1	− 1.38	+3.74	+11.9	+3.8	+32.58	+0.52	− 55.6	−7.7
27.5	+ 9.01	−3.53	+ 1.6	−6.3	+ 2.36	+3.58	+15.7	+2.7	+33.10	+0.31	− 63.3	−7.2
28.5	+ 5.48	−4.43	− 4.7	−5.7	+ 5.94	+3.16	+18.4	+1.4	+33.41	+0.10	− 70.5	−6.8
29.5	+ 1.05	−4.56	−10.4	−3.9	+ 9.10	+2.51	+19.8	0.0	+33.51	−0.11	− 77.3	−6.3
30.5	− 3.51	−4.03	−14.3	−1.7	+11.61	+1.62	+19.8	−1.5	+33.40	−0.31	− 83.6	−5.8
Juli 1.5	− 7.54	−2.88	−16.0	+0.7	+13.23	+0.55	+18.3	−3.0	+33.09	−0.51	− 89.4	−5.2
2.5	−10.42	−1.37	−15.3	+3.0	+13.78	−0.69	+15.3	−4.5	+32.58	−0.71	− 94.6	−4.7
3.5	−11.79	+0.31	−12.3	+4.7	+13.09	−1.98	+10.8	−5.5	+31.87	−0.89	− 99.3	−4.2
4.5	−11.48	+1.92	− 7.6	+5.9	+11.11	−3.17	+ 5.3	−6.2	+30.98	−1.07	−103.5	−3.5
5.5	− 9.56	+3.25	− 1.7	+6.2	+ 7.94	−4.08	− 0.9	−6.1	+29.91	−1.27	−107.0	−2.9
6.5	− 6.31	+4.14	+ 4.5	+5.5	+ 3.86	−4.52	− 7.0	−5.2	+28.64	−1.45	−109.9	−2.0
7.5	− 2.17	+4.43	+10.0	+4.0	− 0.66	−4.43	−12.2	−3.7	+27.19	−1.62	−111.9	−1.3
8.5	+ 2.26	+4.08	+14.0	+1.9	− 5.09	−3.82	−15.9	−1.8	+25.57	−1.78	−113.2	−0.7
9.5	+ 6.34	+3.08	+15.9	−0.7	− 8.91	−2.84	−17.7	+0.2	+23.79	−1.95	−113.9	+0.1
10.5	+ 9.42	+1.56	+15.2	−3.1	−11.75	−1.66	−17.5	+2.0	+21.84	−2.09	−113.8	+0.8
11.5	+10.98	−0.25	+12.1	−5.2	−13.41	−0.42	−15.5	+3.4	+19.75	−2.20	−113.0	+1.6
12.5	+10.73	−2.03	+ 6.9	−6.4	−13.83	+0.72	−12.1	+4.5	+17.55	−2.31	−111.4	+2.2
13.5	+ 8.70	−3.46	+ 0.5	−6.5	−13.11	+1.71	− 7.6	+5.2	+15.24	−2.41	−109.2	+3.0
14.5	+ 5.24		− 6.0		−11.40		− 2.4		+12.83		−106.2	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
1922	s	s	"	"	s	s	"	"	s	s	"	"
Juli 14.5	+ 5.24	−4.30	− 6.0	− 5.5	−11.40	+2.51	− 2.4	+ 5.3	+12.83	−2.48	−106.2	+3.7
15.5	+ 0.94	−4.45	−11.5	− 3.7	− 8.89	+3.10	+ 2.9	+ 5.2	+10.35	−2.54	−102.5	+4.4
16.5	− 3.51	−3.89	−15.2	− 1.4	− 5.79	+3.47	+ 8.1	+ 4.6	+ 7.81	−2.58	− 98.1	+5.0
17.5	− 7.40	−2.79	−16.6	+ 1.2	− 2.32	+3.61	+12.7	+ 3.8	+ 5.23	−2.60	− 93.1	+5.6
18.5	−10.19	−1.31	−15.4	+ 3.5	+ 1.29	+3.51	+16.5	+ 2.8	+ 2.63	−2.62	− 87.5	+6.2
19.5	−11.50	+0.32	−11.9	+ 5.3	+ 4.80	+3.18	+19.3	+ 1.4	+ 0.01	−2.61	− 81.3	+6.7
20.5	−11.18	+1.89	− 6.6	+ 6.2	+ 7.98	+2.62	+20.7	− 0.1	− 2.60	−2.58	− 74.6	+7.2
21.5	− 9.29	+3.18	− 0.4	+ 6.3	+10.60	+1.82	+20.6	− 1.7	− 5.18	−2.54	− 67.4	+7.6
22.5	− 6.11	+4.04	+ 5.9	+ 5.5	+12.42	+0.82	+18.9	− 3.2	− 7.72	−2.48	− 59.8	+8.0
23.5	− 2.07	+4.32	+11.4	+ 3.8	+13.24	−0.35	+15.7	− 4.7	−10.20	−2.41	− 51.8	+8.4
24.5	+ 2.25	+3.98	+15.2	+ 1.4	+12.89	−1.59	+11.0	− 5.9	−12.61	−2.31	− 43.4	+8.7
25.5	+ 6.23	+2.96	+16.6	− 1.2	+11.30	−2.79	+ 5.1	− 6.4	−14.92	−2.20	− 34.7	+8.9
26.5	+ 9.19		+15.4		+ 8.51		− 1.3		−17.12		− 25.8	
Dez. 9.5	− 9.77	−1.55	−22.0	+10.5	−14.11	+0.92	− 0.4	+10.5	+31.57	−0.18	− 99.8	−8.3
10.5	−11.32	+0.03	−11.5	+12.3	−13.19	+1.78	+10.1	+ 9.9	+31.39	−0.38	−108.1	−7.5
11.5	−11.29	+1.62	+ 0.8	+12.2	−11.41	+2.51	+20.0	+ 8.7	+31.01	−0.58	−115.6	−6.8
12.5	− 9.67	+2.99	+13.0	+10.4	− 8.90	+3.07	+28.7	+ 7.0	+30.43	−0.77	−122.4	−6.1
13.5	− 6.68	+3.97	+23.4	+ 7.2	− 5.83	+3.44	+35.7	+ 4.8	+29.66	−0.97	−128.5	−5.3
14.5	− 2.71	+4.37	+30.6	+ 2.5	− 2.39	+3.60	+40.5	+ 2.2	+28.69	−1.16	−133.8	−4.4
15.5	+ 1.66	+4.13	+33.1	− 2.4	+ 1.21	+3.53	+42.7	− 0.6	+27.53	−1.34	−138.2	−3.5
16.5	+ 5.79	+3.22	+30.7	− 7.4	+ 4.74	+3.21	+42.1	− 3.5	+26.19	−1.51	−141.7	−2.6
17.5	+ 9.01	+1.77	+23.3	−11.4	+ 7.95	+2.62	+38.6	− 6.5	+24.68	−1.68	−144.3	−1.7
18.5	+10.78	0.00	+11.9	−13.3	+10.57	+1.75	+32.1	− 9.2	+23.00	−1.84	−146.0	−0.8
19.5	+10.78	−1.81	− 1.4	−13.2	+12.32	+0.63	+22.9	−11.4	+21.16	−1.98	−146.8	+0.2
20.5	+ 8.97	−3.28	−14.6	−10.9	+12.95	−0.69	+11.5	−12.6	+19.18	−2.12	−146.6	+1.1
21.5	+ 5.69	−4.22	−25.5	− 6.9	+12.26	−2.06	− 1.1	−12.6	+17.06	−2.24	−145.5	+2.1
22.5	+ 1.47	−4.46	−32.4	− 1.8	+10.20	−3.27	−13.7	−11.1	+14.82	−2.35	−143.4	+3.2
23.5	− 2.99	−4.03	−34.2	+ 3.4	+ 6.93	−4.14	−24.8	− 8.0	+12.47	−2.44	−140.2	+4.1
24.5	− 7.02	−3.02	−30.8	+ 7.9	+ 2.79	−4.50	−32.8	− 4.0	+10.03	−2.51	−136.1	+5.0
25.5	−10.04	−1.58	−22.9	+11.3	− 1.71	−4.33	−36.8	+ 0.2	+ 7.52	−2.58	−131.1	+5.8
26.5	−11.62	+0.03	−11.6	+13.0	− 6.04	−3.69	−36.6	+ 4.1	+ 4.94	−2.62	−125.3	+6.8
27.5	−11.59	+1.69	+ 1.4	+12.9	− 9.73	−2.77	−32.5	+ 7.3	+ 2.32	−2.64	−118.5	+7.7
28.5	− 9.90	+3.08	+14.3	+10.9	−12.50	−1.69	−25.2	+ 9.7	− 0.32	−2.65	−110.8	+8.5
29.5	− 6.82	+4.08	+25.2	+ 7.3	−14.19	−0.56	−15.5	+11.0	− 2.97	−2.64	−102.3	+9.2
30.5	− 2.74	+4.49	+32.5	+ 2.5	−14.75	+0.49	− 4.5	+11.3	− 5.61	−2.61	− 93.1	+9.8
31.5	+ 1.75		+35.0		−14.26		+ 6.8		− 8.22		− 83.3	

Östliche Elongationen

MIMAS

	h		h		h		h		h
Jan. 1	10.5	Febr. 13	18.8	März 29	3.1	Mai 11	11.4	Juni 23	19.9
2	9.1	14	17.5	30	1.7	12	10.0	24	18.5
3	7.7	15	16.1	31	0.3	13	8.6	25	17.2
4	6.3	16	14.7	31	22.9	14	7.3	26	15.8
5	5.0	17	13.3	April 1	21.5	15	5.9	27	14.4
6	3.6	18	11.9	2	20.1	16	4.5	28	13.0
7	2.2	19	10.5	3	18.7	17	3.1	29	11.7
8	0.8	20	9.1	4	17.4	18	1.7	30	10.3
8	23.4	21	7.8	5	16.0	19	0.3	Juli 1	8.9
9	22.0	22	6.4	6	14.6	19	22.9	2	7.5
10	20.6	23	5.0	7	13.2	20	21.5	3	6.2
11	19.2	24	3.6	8	11.8	21	20.1	4	4.8
12	17.8	25	2.2	9	10.4	22	18.8	5	3.4
13	16.5	26	0.8	10	9.0	23	17.4	6	2.0
14	15.1	26	23.4	11	7.6	24	16.0	7	0.6
15	13.7	27	22.0	12	6.2	25	14.6	7	23.3
16	12.3	28	20.6	13	4.9	26	13.2	8	21.9
17	10.9	März 1	19.2	14	3.5	27	11.9	9	20.5
18	9.6	2	17.9	15	2.1	28	10.5	10	19.1
19	8.2	3	16.5	16	0.7	29	9.1	11	17.8
20	6.8	4	15.1	16	23.3	30	7.7	12	16.4
21	5.4	5	13.7	17	21.9	31	6.4	13	15.0
22	4.1	6	12.3	18	20.5	Juni 1	5.0	14	13.6
23	2.7	7	11.0	19	19.2	2	3.6	15	12.3
24	1.3	8	9.6	20	17.8	3	2.2	16	10.9
24	23.9	9	8.2	21	16.4	4	0.8	17	9.5
25	22.5	10	6.8	22	15.0	4	23.4	18	8.1
26	21.1	11	5.5	23	13.6	5	22.1	19	6.8
27	19.7	12	4.1	24	12.3	6	20.7	20	5.4
28	18.3	13	2.7	25	10.9	7	19.3	21	4.0
29	16.9	14	1.3	26	9.5	8	17.9	22	2.6
30	15.6	14	23.9	27	8.1	9	16.6	23	1.2
31	14.2	15	22.5	28	6.8	10	15.2	23	23.9
Febr. 1	12.8	16	21.1	29	5.4	11	13.8	24	22.5
2	11.4	17	19.7	30	4.0	12	12.4	25	21.1
3	10.0	18	18.3	Mai 1	2.6	13	11.1	26	19.7
4	8.7	19	17.0	2	1.2	14	9.7		
5	7.3	20	15.6	2	23.8	15	8.3		
6	5.9	21	14.2	3	22.4	16	6.9	Dez. 9	13.6
7	4.5	22	12.8	4	21.0	17	5.6	10	12.3
8	3.1	23	11.4	5	19.7	18	4.2	11	10.9
9	1.8	24	10.0	6	18.3	19	2.8	12	9.5
10	0.4	25	8.6	7	16.9	20	1.4	13	8.1
10	23.0	26	7.2	8	15.5	21	0.0	14	6.7
11	21.6	27	5.8	9	14.1	21	22.7	15	5.3
12	20.2	28	4.5	10	12.8	22	21.3	16	3.9

Östliche Elongationen

MIMAS

		h
Dez.	17	2.6
	18	1.2
	18	23.8
	19	22.4
	20	21.0
	21	19.7
	22	18.3
	23	16.9
	24	15.5
	25	14.2
	26	12.8
	27	11.4
	28	10.0
	29	8.6
	30	7.2
	31	5.8

ENCELADUS

		h
Jan.	1	17.2
	3	2.1
	4	11.0
	5	19.9
	7	4.8
	8	13.7
	9	22.6
	11	7.5
	12	16.4
	14	1.2
	15	10.1
	16	19.0
	18	3.9
	19	12.7
	20	21.6
	22	6.5
	23	15.4
	25	0.2
	26	9.1
	27	18.0
	29	2.9
	30	11.8
	31	20.6
Febr.	2	5.5
	3	14.4
	4	23.3
	6	8.2

ENCELADUS

		h
Febr.	7	17.0
	9	1.9
	10	10.8
	11	19.7
	13	4.6
	14	13.5
	15	22.3
	17	7.2
	18	16.1
	20	0.9
	21	9.8
	22	18.7
	24	3.5
	25	12.4
	26	21.3
	28	6.2
März	1	15.1
	2	23.9
	4	8.8
	5	17.7
	7	2.6
	8	11.4
	9	20.3
	11	5.2
	12	14.1
	13	22.9
	15	7.8
	16	16.7
	18	1.6
	19	10.5
	20	19.3
	22	4.2
	23	13.1
	24	22.0
	26	6.9
	27	15.8
	29	0.6
	30	9.5
	31	18.4
April	2	3.3
	3	12.2
	4	21.0
	6	5.9
	7	14.8
	8	23.6
	10	8.5

ENCELADUS

		h
April	11	17.4
	13	2.2
	14	11.1
	15	20.0
	17	4.9
	18	13.8
	19	22.6
	21	7.5
	22	16.4
	24	1.3
	25	10.2
	26	19.0
	28	3.9
	29	12.8
	30	21.7
Mai	2	6.6
	3	15.5
	5	0.4
	6	9.3
	7	18.1
	9	3.0
	10	11.9
	11	20.8
	13	5.7
	14	14.5
	15	23.4
	17	8.3
	18	17.2
	20	2.1
	21	11.0
	22	19.9
	24	4.7
	25	13.6
	26	22.5
	28	7.4
	29	16.3
	31	1.1
Juni	1	10.0
	2	18.9
	4	3.8
	5	12.7
	6	21.6
	8	6.5
	9	15.4
	11	0.3
	12	9.1

ENCELADUS

		h
Juni	13	18.0
	15	2.9
	16	11.8
	17	20.7
	19	5.6
	20	14.5
	21	23.4
	23	8.3
	24	17.2
	26	2.1
	27	10.9
	28	19.8
	30	4.7
Juli	1	13.6
	2	22.5
	4	7.4
	5	16.3
	7	1.2
	8	10.1
	9	19.0
	11	3.9
	12	12.8
	13	21.7
	15	6.6
	16	15.5
	18	0.4
	19	9.3
	20	18.2
	22	3.1
	23	12.0
	24	20.9
	26	5.8
Dez.	10	7.5
	11	16.4
	13	1.3
	14	10.2
	15	19.1
	17	4.0
	18	12.9
	19	21.7
	21	6.6
	22	15.5
	24	0.4
	25	9.3

ENCELADUS

		h
Dez.	26	18.2
	28	3.1
	29	12.0
	30	20.9

TETHYS

		h
Jan.	1	0.4
	2	21.8
	4	19.1
	6	16.5
	8	13.8
	10	11.1
	12	8.4
	14	5.7
	16	2.9
	18	0.2
	19	21.5
	21	18.8
	23	16.0
	25	13.3
	27	10.6
	29	7.9
	31	5.3
Febr.	2	2.6
	3	23.9
	5	21.2
	7	18.6
	9	15.9
	11	13.2
	13	10.5
	15	7.8
	17	5.1
	19	2.4
	20	23.7
	22	21.0
	24	18.3
	26	15.6
	28	12.9
März	2	10.2
	4	7.5
	6	4.8
	8	2.1
	9	23.3
	11	20.6
	13	17.9

Östliche Elongationen

TETHYS

Datum	h
März 15	15.2
17	12.5
19	9.8
21	7.1
23	4.4
25	1.6
26	22.9
28	20.2
30	17.5
April 1	14.8
3	12.1
5	9.4
7	6.7
9	3.9
11	1.2
12	22.5
14	19.8
16	17.1
18	14.4
20	11.7
22	9.0
24	6.3
26	3.6
28	0.9
29	22.2
Mai 1	19.5
3	16.8
5	14.1
7	11.4
9	8.7
11	6.0
13	3.3
15	0.6
16	21.9
18	19.2
20	16.5
22	13.8
24	11.1
26	8.4
28	5.8
30	3.1
Juni 1	0.4
2	21.7
4	19.0
6	16.3
8	13.6

TETHYS

Datum	h
Juni 10	10.9
12	8.3
14	5.6
16	2.9
18	0.2
19	21.5
21	18.8
23	16.1
25	13.5
27	10.8
29	8.1
Juli 1	5.5
3	2.8
5	0.1
6	21.4
8	18.7
10	16.1
12	13.4
14	10.7
16	8.0
18	5.4
20	2.7
22	0.0
23	21.3
25	18.6
Dez. 10	15.8
12	13.1
14	10.4
16	7.7
18	5.0
20	2.3
21	23.7
23	21.0
25	18.3
27	15.6
29	12.9
31	10.2

DIONE

Datum	h
Jan. 1	6.7
4	0.4
7	18.1
10	11.8

DIONE

Datum	h
Jan. 12	5.5
14	23.2
17	16.9
20	10.5
23	4.2
25	21.9
28	15.6
31	9.3
Febr. 3	2.9
5	20.6
8	14.2
11	7.9
14	1.6
16	19.2
19	12.9
22	6.6
25	0.2
27	17.9
März 2	11.6
5	5.2
7	22.9
10	16.5
13	10.2
16	3.8
18	21.5
21	15.1
24	8.8
27	2.4
29	20.1
April 1	13.7
4	7.4
7	1.0
9	18.7
12	12.3
15	6.0
17	23.6
20	17.3
23	10.9
26	4.6
28	22.2
Mai 1	15.9
4	9.6
7	3.3
9	20.9
12	14.6
15	8.3

DIONE

Datum	h
Mai 18	2.0
20	19.7
23	13.4
26	7.0
29	0.7
31	18.4
Juni 3	12.1
6	5.8
8	23.5
11	17.2
14	10.9
17	4.6
19	22.3
22	16.0
25	9.7
28	3.4
30	21.1
Juli 3	14.8
6	8.5
9	2.2
11	19.9
14	13.6
17	7.4
20	1.1
22	18.8
25	12.5
Dez. 9	11.3
12	5.0
14	22.7
17	16.4
20	10.2
23	3.9
25	21.6
28	15.3
31	9.0

RHEA

Datum	h
Jan. 3	21.3
8	9.7
12	22.1
17	10.5
21	22.9
26	11.3

RHEA

Datum	h
Jan. 30	23.7
Febr. 4	12.1
9	0.4
13	12.8
18	1.1
22	13.5
27	1.8
März 3	14.2
8	2.5
12	14.9
17	3.2
21	15.5
26	3.8
30	16.1
April 4	4.5
8	16.8
13	5.2
17	17.5
22	5.9
26	18.2
Mai 1	6.6
5	19.0
10	7.3
14	19.7
19	8.1
23	20.5
28	8.9
Juni 1	21.3
6	9.7
10	22.1
15	10.5
19	23.0
24	11.4
28	23.9
Juli 3	12.4
8	0.9
12	13.4
17	1.9
21	14.5
26	3.0
Dez. 13	8.1
17	20.6
22	9.1
26	21.6
31	10.1

Elongationen und Konjunktionen

TITAN

Datum	h	
Jan. 1	19.2	Östl. El.
5	14.6	Unt. Konj.
9	16.7	Westl. El.
13	20.7	Ob. Konj.
17	18.0	Östl. El.
21	13.4	Unt. Konj.
25	15.4	Westl. El.
29	19.3	Ob. Konj.
Febr. 2	16.5	Östl. El.
6	11.8	Unt. Konj.
10	13.6	Westl. El.
14	17.4	Ob. Konj.
18	14.6	Östl. El.
22	9.8	Unt. Konj.
26	11.5	Westl. El.
März 2	15.2	Ob. Konj.
6	12.4	Östl. El.
10	7.5	Unt. Konj.
14	9.0	Westl. El.
18	12.8	Ob. Konj.
22	10.1	Östl. El.
26	5.4	Unt. Konj.
30	6.5	Westl. El.
April 3	10.3	Ob. Konj.
7	7.6	Östl. El.
11	2.6	Unt. Konj.
15	4.0	Westl. El.
19	7.8	Ob. Konj.
23	5.3	Östl. El.
27	0.3	Unt. Konj.
Mai 1	1.7	Westl. El.
5	5.7	Ob. Konj.
9	3.2	Östl. El.
12	22.4	Unt. Konj.
16	23.7	Westl. El.
21	3.8	Ob. Konj.
25	1.5	Östl. El.
28	20.7	Unt. Konj.
Juni 1	22.2	Westl. El.
6	2.4	Ob. Konj.
10	0.2	Östl. El.

TITAN

Datum	h	
Juni 13	19.4	Unt. Konj.
17	21.1	Westl. El.
22	1.4	Ob. Konj.
25	23.2	Östl. El.
29	18.6	Unt. Konj.
Juli 3	20.3	Westl. El.
8	0.8	Ob. Konj.
11	22.7	Östl. El.
15	18.1	Unt. Konj.
19	20.0	Westl. El.
24	0.5	Ob. Konj.
Dez. 11	0.0	Westl. El.
15	3.8	Ob. Konj.
19	0.8	Östl. El.
22	20.9	Unt. Konj.
26	23.6	Westl. El.
31	3.6	Ob. Konj.

HYPERION

Datum	h	
Jan. 2	16.8	Westl. El.
8	18.0	Ob. Konj.
14	17.5	Östl. El.
19	7.3	Unt. Konj.
23	22.5	Westl. El.
29	23.5	Ob. Konj.
Febr. 4	22.1	Östl. El.
9	11.6	Unt. Konj.
14	2.7	Westl. El.
20	3.3	Ob. Konj.
26	1.4	Östl. El.
März 2	14.8	Unt. Konj.
7	5.7	Westl. El.
13	5.9	Ob. Konj.
19	3.9	Östl. El.
23	17.2	Unt. Konj.
28	7.9	Westl. El.
April 3	7.9	Ob. Konj.
9	6.0	Östl. El.
13	19.4	Unt. Konj.

HYPERION

Datum	h	
April 18	9.9	Westl. El.
24	9.9	Ob. Konj.
30	8.4	Östl. El.
Mai 4	21.9	Unt. Konj.
9	12.3	Westl. El.
15	12.7	Ob. Konj.
21	11.5	Östl. El.
26	0.9	Unt. Konj.
30	15.6	Westl. El.
Juni 5	16.6	Ob. Konj.
11	15.5	Östl. El.
16	4.8	Unt. Konj.
20	20.0	Westl. El.
26	21.8	Ob. Konj.
Juli 2	20.6	Östl. El.
7	9.6	Unt. Konj.
12	1.5	Westl. El.
18	4.3	Ob. Konj.
Dez. 24	2.8	Östl. El.
15	4.4	Ob. Konj.
20	19.5	Östl. El.
25	3.8	Unt. Konj.
30	3.5	Westl. El.

JAPETUS

Datum	h	
Jan. 3	18.3	Ob. Konj.
24	5.9	Östl. El.
Febr. 12	3.8	Unt. Konj.
März 3	2.7	Westl. El.
23	9.6	Ob. Konj.
April 12	13.6	Östl. El.
Mai 1	9.6	Unt. Konj.
20	9.0	Westl. El.
Juni 9	21.9	Ob. Konj.
30	13.9	Östl. El.
Juli 19	21.7	Unt. Konj.
Dez. 9	19.8	Östl. El.
29	0.7	Unt. Konj.

	h	
Jan.		
18	6	♄ ☌ ☾
19	0	♃ ☌ ☾
20	21	♂ ☌ ☾
27	8	♀ ☌ ☾
29	7	☿ ☌ ☾
29	12	☿ gr. östl. El. 18° 23′
Febr.		
2	5	☿ im Perihel
2	21	♀ im Aphel
3	16	♆ ☍ ☉
8	19	♀ obere ☌ ☉
13	22	☿ untere ☌ ☉
14	14	♄ ☌ ☾
15	8	♃ ☌ ☾
18	6	♂ ☌ ☾
22	9	♂ ☌ β Scorpii, ♂ 1′ S.
24	13	☿ ☌ ☾
26	20	♀ ☌ ☾
28	11	♅ ☌ ☉
März		
12	7	☿ gr. westl. El. 27° 32′
13	22	♄ ☌ ☾
14	15	♃ ☌ ☾
18	4	☿ im Aphel
18	14	♂ ☌ ☾
25	5	♄ ☍ ☉
26	0	☿ ☌ ☾
29	3	♀ ☌ ☾
April		
4	1	♃ ☍ ☉
4	20	♃ im Aphel
10	6	♄ ☌ ☾
10	21	♃ ☌ ☾
15	17	♂ ☌ ☾
24	6	☿ obere ☌ ☉
26	22	☿ ☌ ☾
28	7	♀ ☌ ☾
Mai		
1	4	☿ im Perihel
7	12	♄ ☌ ☾

	h	
Mai		
8	1	♃ ☌ ☾
13	7	♂ ☌ ☾
23	7	☿ gr. östl. El. 22° 37′
26	6	♀ im Perihel
28	0	☿ ☌ ☾
28	11	♀ ☌ ☾
Juni		
3	17	♄ ☌ ☾
4	6	♃ ☌ ☾
9	5	♂ ☌ ☾
10	2	♂ ☍ ☉
14	3	☿ im Aphel
17	21	☿ untere ☌ ☉
24	0	☿ ☌ ☾
27	10	♀ ☌ ☾
30	23	♄ ☌ ☾
Juli		
1	13	♃ ☌ ☾
5	22	♂ ☌ ☾
10	18	☿ gr. westl. El. 20° 58′
22	22	☿ ☌ ☾
27	1	♀ ☌ ☾
28	3	☿ im Perihel
28	8	♄ ☌ ☾
28	23	♃ ☌ ☾
Aug.		
2	6	♂ ☌ ☾
6	18	☿ obere ☌ ☉
8	14	♆ ☌ ☉
15	7	♀ ☌ ♄, ♀ 2° 42′ S.
23	12	☿ ☌ ☾
24	21	♄ ☌ ☾
25	12	♀ ☌ ☾
25	14	♃ ☌ ☾
26	18	♀ ☌ ♃, ♀ 2° 29′ S.
30	7	♂ ☌ ☾
30	15	♀ ☌ α Virginis, ♀ 29′ N.
Sept.		
4	11	♅ ☍ ☉
10	3	☿ im Aphel

	h	
Sept.		
15	10	♀ gr. östl. El. 46° 24′
15	14	♀ im Aphel
19	0	☿ ☌ α Virginis. ☿ 44′ S.
19	23	☿ gr. östl. El. 26° 26′
21	12	♄ ☌ ☾
22	8	♃ ☌ ☾
22	10	☿ ☌ ☾
23	20	♀ ☌ ☾
27	20	♂ ☌ ☾
Okt.		
2	5	♂ ☌ σ Sagitt., ♂ 40′ N.
4	5	♄ ☌ ☉
13	7	♂ im Perihel
14	23	☿ untere ☌ ☉
19	4	♄ ☌ ☾
19	9	☿ ☌ ☾
20	4	♃ ☌ ☾
20	18	♀ im größten Glanz
22	17	♀ ☌ ☾
23	0	♃ ☌ ☾
24	2	☿ im Perihel
26	17	♂ ☌ ☾
30	14	☿ gr. westl. El. 18° 38′
Nov.		
10	10	☿ ☌ ♃, ☿ 47′ N.
15	19	♄ ☌ ☾
17	0	♃ ☌ ☾
17	16	☿ ☌ ☾
19	1	♀ ☌ ☾
24	17	♂ ☌ ☾
24	18	♀ untere ☌ ☉
27	14	☿ ☌ ♀, ☿ 1° 26′ N.
Dez.		
6	6	☿ obere ☌ ☉
7	2	☿ im Aphel
13	7	♄ ☌ ☾
14	18	♃ ☌ ☾
15	19	♀ ☌ ☾
18	14	☿ ☌ ☾
23	18	♂ ☌ ☾
30	14	♀ im größten Glanz

δ \ φ	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	4 45.4	4 38.8	4 31.8	4 24.4	4 16.5	4 8.1	3 58.9	3 48.9	3 37.9	3 25.7	3 11.8
29	4 48.6	4 42.3	4 35.6	4 28.6	4 21.1	4 13.0	4 4.3	3 54.9	3 44.5	3 33.0	3 20.1
28	4 51.7	4 45.7	4 39.3	4 32.6	4 25.5	4 17.8	4 9.6	4 0.7	3 50.9	3 40.1	3 28.0
27	4 54.7	4 49.0	4 42.9	4 36.5	4 29.8	4 22.5	4 14.7	4 6.2	3 57.0	3 46.9	3 35.5
26	4 57.7	4 52.2	4 46.5	4 40.4	4 33.9	4 27.1	4 19.7	4 11.7	4 3.0	3 53.4	3 42.8
25	5 0.6	4 55.4	4 49.9	4 44.2	4 38.0	4 31.5	4 24.5	4 16.9	4 8.7	3 59.7	3 49.7
24	5 3.5	4 58.5	4 53.3	4 47.8	4 42.0	4 35.8	4 29.2	4 22.0	4 14.3	4 5.8	3 56.5
23	5 6.3	5 1.6	4 56.6	4 51.4	4 45.9	4 40.1	4 33.8	4 27.0	4 19.7	4 11.8	4 3.0
22	5 9.0	5 4.6	4 59.9	4 55.0	4 49.7	4 44.2	4 38.3	4 31.9	4 25.0	4 17.5	4 9.3
21	5 11.7	5 7.5	5 3.1	4 58.4	4 53.5	4 48.3	4 42.7	4 36.7	4 30.2	4 23.2	4 15.4
−20	5 14.4	5 10.4	5 6.2	5 1.8	4 57.2	4 52.3	4 47.0	4 41.3	4 35.3	4 28.7	4 21.4
19	5 17.0	5 13.3	5 9.3	5 5.2	5 0.8	4 56.2	4 51.2	4 45.9	4 40.2	4 34.0	4 27.3
18	5 19.6	5 16.1	5 12.4	5 8.5	5 4.4	5 0.0	4 55.4	4 50.4	4 45.1	4 39.3	4 33.0
17	5 22.2	5 18.9	5 15.4	5 11.7	5 7.9	5 3.8	4 59.5	4 54.9	4 49.9	4 44.5	4 38.6
16	5 24.7	5 21.6	5 18.4	5 14.9	5 11.4	5 7.5	5 3.5	4 59.2	4 54.6	4 49.5	4 44.1
15	5 27.2	5 24.3	5 21.3	5 18.1	5 14.8	5 11.2	5 7.5	5 3.5	4 59.2	4 54.5	4 49.5
14	5 29.7	5 27.0	5 24.2	5 21.3	5 18.2	5 14.9	5 11.4	5 7.7	5 3.7	4 59.5	4 54.8
13	5 32.1	5 29.7	5 27.1	5 24.4	5 21.5	5 18.5	5 15.3	5 11.9	5 8.2	5 4.3	5 0.0
12	5 34.6	5 32.3	5 29.9	5 27.4	5 24.8	5 22.1	5 19.1	5 16.0	5 12.6	5 9.0	5 5.1
11	5 37.0	5 34.9	5 32.7	5 30.5	5 28.1	5 25.6	5 22.9	5 20.1	5 17.0	5 13.7	5 10.2
−10	5 39.4	5 37.5	5 35.5	5 33.5	5 31.3	5 29.1	5 26.7	5 24.1	5 21.4	5 18.4	5 15.2
9	5 41.7	5 40.1	5 38.3	5 36.5	5 34.6	5 32.5	5 30.4	5 28.1	5 25.7	5 23.0	5 20.2
8	5 44.1	5 42.6	5 41.1	5 39.5	5 37.8	5 36.0	5 34.1	5 32.1	5 29.9	5 27.6	5 25.1
7	5 46.4	5 45.2	5 43.8	5 42.4	5 41.0	5 39.4	5 37.8	5 36.0	5 34.2	5 32.2	5 30.0
6	5 48.8	5 47.7	5 46.6	5 45.4	5 44.1	5 42.8	5 41.4	5 40.0	5 38.4	5 36.7	5 34.9
5	5 51.1	5 50.2	5 49.3	5 48.3	5 47.3	5 46.2	5 45.1	5 43.9	5 42.6	5 41.2	5 39.7
4	5 53.4	5 52.7	5 52.0	5 51.2	5 50.4	5 49.6	5 48.7	5 47.8	5 46.8	5 45.7	5 44.5
3	5 55.8	5 55.2	5 54.7	5 54.1	5 53.6	5 53.0	5 52.3	5 51.6	5 50.9	5 50.1	5 49.3
2	5 58.1	5 57.7	5 57.4	5 57.1	5 56.7	5 56.3	5 55.9	5 55.5	5 55.1	5 54.6	5 54.1
1	6 0.4	6 0.2	6 0.1	6 0.0	5 59.8	5 59.7	5 59.5	5 59.4	5 59.2	5 59.0	5 58.9
0	6 2.7	6 2.7	6 2.8	6 2.9	6 2.9	6 3.0	6 3.1	6 3.2	6 3.4	6 3.5	6 3.6
+1	6 5.0	6 5.2	6 5.5	6 5.8	6 6.1	6 6.4	6 6.7	6 7.1	6 7.5	6 7.9	6 8.4
2	6 7.3	6 7.7	6 8.2	6 8.7	6 9.2	6 9.8	6 10.3	6 11.0	6 11.6	6 12.4	6 13.2
3	6 9.6	6 10.3	6 10.9	6 11.6	6 12.3	6 13.1	6 14.0	6 14.8	6 15.8	6 16.8	6 18.0
4	6 11.9	6 12.8	6 13.6	6 14.5	6 15.5	6 16.5	6 17.6	6 18.7	6 20.0	6 21.3	6 22.8
5	6 14.3	6 15.3	6 16.4	6 17.5	6 18.6	6 19.9	6 21.2	6 22.6	6 24.2	6 25.8	6 27.6
6	6 16.6	6 17.8	6 19.1	6 20.4	6 21.8	6 23.3	6 24.9	6 26.6	6 28.4	6 30.4	6 32.5
7	6 19.0	6 20.4	6 21.8	6 23.4	6 25.0	6 26.7	6 28.6	6 30.5	6 32.6	6 34.9	6 37.4
8	6 21.3	6 22.9	6 24.6	6 26.4	6 28.2	6 30.2	6 32.3	6 34.5	6 36.9	6 39.5	6 42.3
9	6 23.7	6 25.5	6 27.4	6 29.4	6 31.4	6 33.7	6 36.0	6 38.5	6 41.2	6 44.1	6 47.3
10	6 26.1	6 28.1	6 30.2	6 32.4	6 34.7	6 37.2	6 39.8	6 42.5	6 45.6	6 48.8	6 52.3
+11	6 28.5	6 30.7	6 33.0	6 35.4	6 38.0	6 40.7	6 43.6	6 46.6	6 49.9	6 53.5	6 57.4
12	6 31.0	6 33.4	6 35.9	6 38.5	6 41.3	6 44.3	6 47.4	6 50.8	6 54.4	6 58.3	7 2.5
13	6 33.4	6 36.0	6 38.8	6 41.6	6 44.7	6 47.9	6 51.3	6 54.9	6 58.9	7 3.1	7 7.8
14	6 35.9	6 38.7	6 41.7	6 44.8	6 48.0	6 51.5	6 55.2	6 59.2	7 3.4	7 8.0	7 13.1
15	6 38.4	6 41.4	6 44.6	6 47.9	6 51.5	6 55.2	6 59.2	7 3.5	7 8.1	7 13.0	7 18.5
16	6 41.0	6 44.2	6 47.6	6 51.2	6 54.9	6 58.9	7 3.2	7 7.8	7 12.7	7 18.1	7 23.9
17	6 43.5	6 47.0	6 50.6	6 54.4	6 58.5	7 2.7	7 7.3	7 12.2	7 17.5	6 23.3	7 29.5
18	6 46.1	6 49.8	6 53.7	6 57.7	7 2.0	7 6.6	7 11.5	7 16.7	7 22.4	7 28.5	7 35.3
19	6 48.8	6 52.7	6 56.8	7 1.1	7 5.7	7 10.5	7 15.7	7 21.3	7 27.4	7 33.9	7 41.1
20	6 51.5	6 55.6	6 59.9	7 4.5	7 9.4	7 14.5	7 20.1	7 26.0	7 32.4	7 39.4	7 47.1
+21	6 54.2	6 58.6	7 3.1	7 8.0	7 13.1	7 18.6	7 24.5	7 30.8	7 37.6	7 45.1	7 53.3
22	6 56.9	7 1.6	7 6.4	7 11.5	7 17.0	7 22.8	7 29.0	7 35.7	7 42.9	7 50.9	7 59.6
23	6 59.8	7 4.6	7 9.7	7 15.1	7 20.9	7 27.0	7 33.6	7 40.7	7 48.4	7 56.8	8 6.1
24	7 2.6	7 7.7	7 13.1	7 18.8	7 24.9	7 31.3	7 38.3	7 45.8	7 54.0	8 2.9	8 12.9
25	7 5.6	7 10.9	7 16.6	7 22.6	7 29.0	7 35.8	7 43.1	7 51.1	7 59.8	8 9.3	8 19.9
26	7 8.5	7 14.2	7 20.1	7 26.4	7 33.2	7 40.4	7 48.1	7 56.5	8 5.7	8 15.8	8 27.1
27	7 11.6	7 17.5	7 23.8	7 30.4	7 37.5	7 45.0	7 53.2	8 2.1	8 11.8	8 22.6	8 34.7
28	7 14.7	7 20.9	7 27.5	7 34.4	7 41.9	7 49.9	7 58.5	8 7.9	8 18.2	8 29.7	8 42.0
29	7 17.9	7 24.4	7 31.3	7 38.6	7 46.4	7 54.8	8 3.9	8 13.9	8 24.8	8 37.1	8 51.0
30	7 21.2	7 28.0	7 35.2	7 42.9	7 51.1	7 59.9	8 9.5	8 20.1	8 31.7	8 44.8	8 59.7

δ \ φ	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	3 11.8	3 4.1	2 55.8	2 46.8	2 36.9	2 25.9	2 13.5	1 59.3	1 42.4	1 21.1	0 49.7
29	3 20.1	3 12.9	3 5.3	2 57.0	2 48.0	2 38.1	2 27.1	2 14.7	2 0.4	1 43.4	1 21.9
28	3 28.0	3 21.3	3 14.2	3 6.6	2 58.3	2 49.3	2 39.4	2 28.4	2 15.9	2 1.6	1 44.5
27	3 35.5	3 29.3	3 22.7	3 15.7	3 8.0	2 59.8	2 50.8	2 40.8	2 29.8	2 17.3	2 2.9
26	3 42.8	3 37.0	3 30.8	3 24.2	3 17.2	3 9.6	3 1.4	2 52.4	2 42.4	2 31.3	2 18.8
25	3 49.7	3 44.3	3 38.6	3 32.4	3 25.9	3 18.9	3 11.3	3 3.1	2 54.1	2 44.1	2 33.0
24	3 56.5	3 51.4	3 46.0	3 40.3	3 34.3	3 27.8	3 20.8	3 13.2	3 5.0	2 56.0	2 46.0
23	4 3.0	3 58.2	3 53.2	3 47.9	3 42.3	3 36.2	3 29.8	3 22.8	3 15.3	3 7.1	2 58.0
22	4 9.3	4 4.9	4 0.2	3 55.2	3 50.0	3 44.3	3 38.4	3 31.9	3 25.0	3 17.5	3 9.3
21	4 15.4	4 11.3	4 6.9	4 2.3	3 57.4	3 52.2	3 46.6	3 40.7	3 34.3	3 27.4	3 19.9
−20	4 21.4	4 17.5	4 13.5	4 9.1	4 4.6	3 59.8	3 54.6	3 49.1	3 43.2	3 36.9	3 30.0
19	4 27.3	4 23.7	4 19.9	4 15.8	4 11.6	4 7.1	4 2.3	3 57.2	3 51.8	3 45.9	3 39.6
18	4 33.0	4 29.6	4 26.1	4 22.3	4 18.4	4 14.2	4 9.8	4 5.1	4 0.1	3 54.7	3 48.9
17	4 38.6	4 35.4	4 32.1	4 28.7	4 25.0	4 21.1	4 17.0	4 12.7	4 8.1	4 3.1	3 57.8
16	4 44.1	4 41.2	4 38.1	4 34.9	4 31.5	4 27.9	4 24.1	4 20.1	4 15.9	4 11.3	4 6.4
15	4 49.5	4 46.8	4 43.9	4 41.0	4 37.8	4 34.5	4 31.0	4 27.4	4 23.4	4 19.3	4 14.8
14	4 54.8	4 52.3	4 49.7	4 46.9	4 44.1	4 41.0	4 37.8	4 34.4	4 30.8	4 27.0	4 22.9
13	5 0.0	4 57.7	4 55.3	4 52.8	4 50.2	4 47.4	4 44.5	4 41.4	4 38.1	4 34.6	4 30.9
12	5 5.1	5 3.0	5 0.9	4 58.6	4 56.2	4 53.7	4 51.0	4 48.2	4 45.2	4 42.0	4 38.7
11	5 10.2	5 8.3	5 6.4	5 4.3	5 2.1	4 59.8	4 57.4	4 54.9	4 52.2	4 49.3	4 46.3
−10	5 15.2	5 13.5	5 11.8	5 9.9	5 7.9	5 5.9	5 3.7	5 1.5	4 59.1	4 56.5	4 53.8
9	5 20.2	5 18.7	5 17.1	5 15.5	5 13.7	5 11.9	5 10.0	5 8.0	5 5.8	5 3.6	5 1.2
8	5 25.1	5 23.8	5 22.4	5 21.0	5 19.5	5 17.9	5 16.2	5 14.4	5 12.5	5 10.6	5 8.5
7	5 30.0	5 28.9	5 27.7	5 26.4	5 25.1	5 23.8	5 22.3	5 20.8	5 19.2	5 17.5	5 15.7
6	5 34.9	5 33.9	5 32.9	5 31.8	5 30.7	5 29.6	5 28.4	5 27.1	5 25.7	5 24.3	5 22.8
5	5 39.7	5 38.9	5 38.1	5 37.2	5 36.3	5 35.4	5 34.4	5 33.4	5 32.2	5 31.1	5 29.9
4	5 44.5	5 43.9	5 43.3	5 42.6	5 41.9	5 41.2	5 40.4	5 39.6	5 38.7	5 37.8	5 36.9
3	5 49.3	5 48.9	5 48.4	5 47.9	5 47.4	5 46.9	5 46.3	5 45.8	5 45.2	5 44.5	5 43.8
2	5 54.1	5 53.8	5 53.5	5 53.3	5 52.9	5 52.6	5 52.3	5 52.0	5 51.6	5 51.2	5 50.8
1	5 58.9	5 58.8	5 58.7	5 58.6	5 58.4	5 58.3	5 58.2	5 58.1	5 58.0	5 57.9	5 57.7
0	6 3.6	6 3.7	6 3.8	6 3.9	6 4.0	6 4.1	6 4.2	6 4.3	6 4.4	6 4.5	6 4.7
+1	6 8.4	6 8.6	6 8.9	6 9.2	6 9.5	6 9.8	6 10.1	6 10.4	6 10.8	6 11.2	6 11.6
2	6 13.2	6 13.6	6 14.0	6 14.5	6 15.0	6 15.5	6 16.0	6 16.6	6 17.2	6 17.8	6 18.5
3	6 18.0	6 18.6	6 19.2	6 19.8	6 20.5	6 21.2	6 22.0	6 22.8	6 23.6	6 24.6	6 25.5
4	6 22.8	6 23.5	6 24.4	6 25.2	6 26.1	6 27.0	6 28.0	6 29.0	6 30.1	6 31.3	6 32.5
5	6 27.6	6 28.6	6 29.6	6 30.6	6 31.7	6 32.8	6 34.0	6 35.3	6 36.6	6 38.1	6 39.6
6	6 32.5	6 33.6	6 34.8	6 36.0	6 37.3	6 38.7	6 40.1	6 41.6	6 43.2	6 44.9	6 46.7
7	6 37.4	6 38.7	6 40.0	6 41.5	6 43.0	6 44.6	6 46.2	6 48.0	6 49.8	6 51.8	6 53.9
8	6 42.3	6 43.8	6 45.3	6 47.0	6 48.7	6 50.5	6 52.4	6 54.4	6 56.5	6 58.8	7 1.2
9	6 47.3	6 48.9	6 50.7	6 52.6	6 54.5	6 56.5	6 58.7	7 0.9	7 3.3	7 5.9	7 8.6
10	6 52.3	6 54.2	6 56.1	6 58.2	7 0.3	7 2.6	7 5.0	7 7.5	7 10.2	7 13.1	7 16.2
+11	6 57.4	6 59.4	7 1.6	7 3.9	7 6.3	7 8.8	7 11.4	7 14.2	7 17.2	7 20.4	7 23.8
12	7 2.5	7 4.8	7 7.2	7 9.7	7 12.3	7 15.1	7 18.0	7 21.1	7 24.3	7 27.8	7 31.5
13	7 7.8	7 10.2	7 12.8	7 15.5	7 18.4	7 21.4	7 24.6	7 28.0	7 31.6	7 35.4	7 39.5
14	7 13.1	7 15.7	7 18.6	7 21.5	7 24.6	7 27.9	7 31.4	7 35.1	7 39.0	7 43.2	7 47.7
15	7 18.5	7 21.4	7 24.4	7 27.6	7 31.0	7 34.6	7 38.3	7 42.4	7 46.6	7 51.2	7 56.1
16	7 23.9	7 27.1	7 30.4	7 33.8	7 37.5	7 41.4	7 45.4	7 49.8	7 54.4	7 59.4	8 4.7
17	7 29.5	7 32.9	7 36.5	7 40.2	7 44.1	7 48.3	7 52.7	7 57.4	8 2.5	8 7.9	8 13.7
18	7 35.3	7 38.9	7 42.7	7 46.7	7 50.9	7 55.4	8 0.2	8 5.3	8 10.8	8 16.6	8 23.0
19	7 41.1	7 45.0	7 49.1	7 53.4	7 57.9	8 2.8	8 7.9	8 13.4	8 19.4	8 25.7	8 32.6
20	7 47.1	7 51.3	7 55.6	8 0.3	8 5.2	8 10.4	8 15.9	8 21.9	8 28.3	8 35.2	8 42.8
+21	7 53.3	7 57.7	8 2.4	8 7.3	8 12.6	8 18.2	8 24.2	8 30.7	8 37.6	8 45.2	8 53.5
22	7 59.6	8 4.3	8 9.4	8 14.7	8 20.3	8 26.4	8 32.8	8 39.8	8 47.4	8 55.7	9 4.8
23	8 6.1	8 11.2	8 16.6	8 22.3	8 28.3	8 34.9	8 41.9	8 49.5	8 57.7	9 6.8	9 16.9
24	8 12.9	8 18.3	8 24.0	8 30.2	8 36.7	8 43.8	8 51.4	8 59.6	9 8.7	9 18.8	9 30.0
25	8 19.9	8 25.7	8 31.8	8 38.4	8 45.5	8 53.1	9 1.4	9 10.5	9 20.5	9 31.7	9 44.4
26	8 27.1	8 33.4	8 40.0	8 47.0	8 54.7	9 3.0	9 12.1	9 22.1	9 33.2	9 45.9	10 0.6
27	8 34.7	8 41.4	8 48.5	8 56.1	9 4.4	9 13.5	9 23.5	9 34.6	9 47.3	10 1.9	10 19.5
28	8 42.6	8 49.8	8 57.5	9 5.8	9 14.8	9 24.8	9 35.9	9 48.5	10 3.1	10 20.5	10 42.9
29	8 51.0	8 58.7	9 7.0	9 16.1	9 26.0	9 37.1	9 49.6	10 4.1	10 21.5	10 43.7	11 18.1
30	8 59.7	9 8.1	9 17.2	9 27.1	9 38.2	9 50.7	10 5.1	10 22.3	10 44.4	10 18.5	—

Reduktionstafel

für Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

Tag	Geographische Breite φ										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
1922	m	m	m	m	m	m	m	m	m	m	m
Jan. 0	−62.9	−58.2	−53.3	−48.1	−42.7	−36.8	−30.6	−23.9	−16.6	−8.7	0.0
10	−58.9	−54.4	−49.9	−45.0	−39.9	−34.4	−28.6	−22.2	−15.5	−8.1	0.0
20	−52.8	−48.7	−44.6	−40.2	−35.6	−30.7	−25.4	−19.9	−13.8	−7.2	0.0
30	−45.0	−41.6	−38.0	−34.2	−30.3	−26.1	−21.6	−16.8	−11.7	−6.1	0.0
Febr. 9	−36.3	−33.5	−30.6	−27.5	−24.4	−20.9	−17.3	−13.4	− 9.4	−4.9	0.0
19	−27.0	−25.0	−22.7	−20.5	−18.1	−15.6	−12.8	− 9.9	− 6.9	−3.6	0.0
März 1	−17.4	−16.1	−14.6	−13.2	−11.6	−10.0	− 8.2	− 6.3	− 4.4	−2.3	0.0
11	− 7.7	− 7.2	− 6.5	− 5.9	− 5.1	− 4.4	− 3.6	− 2.8	− 2.0	−1.0	0.0
21	+ 2.0	+ 1.8	+ 1.7	+ 1.6	+ 1.4	+ 1.2	+ 1.0	+ 0.8	+ 0.5	+0.2	0.0
31	+11.6	+10.7	+ 9.8	+ 8.9	+ 7.9	+ 6.7	+ 5.6	+ 4.4	+ 3.0	+1.5	0.0
April 10	+21.3	+19.6	+18.0	+16.2	+14.3	+12.2	+10.1	+ 8.0	+ 5.4	+2.8	0.0
20	+30.8	+28.3	+26.0	+23.4	+20.6	+17.7	+14.7	+11.5	+ 7.9	+4.1	0.0
30	+39.9	+36.9	+33.7	+30.5	+26.9	+23.2	+19.3	+15.0	+10.4	+5.4	0.0
Mai 10	+48.6	+44.9	+41.1	+37.1	+32.9	+28.3	+23.5	+18.3	+12.8	+6.6	0.0
20	+56.3	+52.2	+47.7	+43.0	+38.3	+32.9	+27.4	+21.4	+14.9	+7.7	0.0
30	+62.6	+58.1	+53.2	+48.0	+42.7	+36.8	+30.6	+24.0	+16.7	+8.7	0.0
Juni 9	+66.9	+62.0	+56.9	+51.5	+45.7	+39.5	+32.9	+25.8	+17.9	+9.5	0.0
19	+68.8	+63.8	+58.6	+52.9	+47.0	+40.7	+33.9	+26.6	+18.5	+9.8	0.0
29	+68.0	+63.0	+57.9	+52.3	+46.5	+40.2	+33.5	+26.3	+18.2	+9.6	0.0
Juli 9	+64.8	+60.0	+55.1	+49.7	+44.2	+38.2	+31.8	+24.9	+17.3	+9.1	0.0
19	+59.3	+54.9	+50.4	+45.4	+40.4	+34.9	+28.9	+22.7	+15.7	+8.3	0.0
29	+52.2	+48.3	+44.3	+39.9	+35.4	+30.5	+25.4	+19.8	+13.7	+7.2	0.0
Aug. 8	+44.1	+40.7	+37.3	+33.5	+29.8	+25.6	+21.3	+16.6	+11.5	+6.0	0.0
18	+35.2	+32.5	+29.7	+26.7	+23.7	+20.4	+17.0	+13.1	+ 9.2	+4.8	0.0
28	+25.9	+24.0	+21.9	+19.8	+17.4	+15.1	+12.5	+ 9.6	+ 6.7	+3.5	0.0
Sept. 7	+16.5	+15.2	+13.9	+12.6	+11.1	+ 9.6	+ 7.9	+ 6.1	+ 4.3	+2.2	0.0
17	+ 7.0	+ 6.4	+ 5.8	+ 5.3	+ 4.7	+ 4.1	+ 3.3	+ 2.6	+ 1.9	+1.0	0.0
27	− 2.7	− 2.4	− 2.2	− 1.9	− 1.7	− 1.4	− 1.2	− 0.9	− 0.6	−0.3	0.0
Okt. 7	−12.3	−11.2	−10.2	− 9.2	− 8.1	− 6.9	− 5.7	− 4.5	− 3.0	−1.5	0.0
17	−21.8	−20.0	−18.3	−16.4	−14.5	−12.4	−10.2	− 8.0	− 5.4	−2.8	0.0
27	−31.1	−28.7	−26.2	−23.6	−20.8	−17.9	−14.7	−11.5	− 7.9	−4.1	0.0
Nov. 6	−40.0	−37.0	−33.8	−30.5	−26.9	−23.1	−19.1	−14.9	−10.3	−5.4	0.0
16	−48.4	−44.7	−40.9	−36.9	−32.6	−28.0	−23.2	−18.1	−12.6	−6.6	0.0
26	−55.5	−51.3	−47.0	−42.4	−37.5	−32.3	−26.9	−20.9	−14.6	−7.6	0.0
Dez. 6	−60.8	−56.3	−51.5	−46.5	−41.2	−35.5	−29.6	−23.1	−16.0	−8.5	0.0
16	−63.8	−59.0	−54.0	−48.8	−43.2	−37.3	−31.1	−24.3	−16.9	−8.9	0.0
26	−64.0	−59.2	−54.2	−49.0	−43.4	−37.5	−31.1	−24.3	−16.9	−8.9	0.0
36	−61.4	−56.7	−51.9	−46.9	−41.6	−35.9	−29.8	−23.3	−16.2	−8.5	0.0

Reduktionstafel

für Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

Tag	Geographische Breite φ										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
1922	m	m	m	m	m	m	m	m	m	m	m
Jan. 0	0.0	+4.7	+ 9.6	+14.8	+20.6	+26.5	+32.9	+39.7	+47.2	+55.3	+64.2
10	0.0	+4.4	+ 9.0	+13.9	+18.9	+24.6	+30.4	+36.7	+43.4	+50.8	+58.7
20	0.0	+3.8	+ 8.0	+12.2	+16.8	+21.5	+26.7	+32.1	+37.9	+44.2	+51.0
30	0.0	+3.2	+ 6.7	+10.2	+14.0	+18.0	+22.3	+26.8	+31.5	+36.7	+42.2
Febr. 9	0.0	+2.5	+ 5.3	+ 8.1	+11.1	+14.3	+17.6	+21.1	+24.8	+28.8	+33.1
19	0.0	+1.8	+ 3.9	+ 5.9	+ 8.1	+10.5	+12.9	+15.4	+18.1	+21.0	+24.0
März 1	0.0	+1.2	+ 2.5	+ 3.8	+ 5.1	+ 6.6	+ 8.2	+ 9.8	+11.5	+13.3	+15.1
11	0.0	+0.5	+ 1.1	+ 1.6	+ 2.2	+ 2.9	+ 3.6	+ 4.3	+ 4.9	+ 5.8	+ 6.6
21	0.0	−0.2	− 0.3	− 0.5	− 0.6	− 0.9	− 1.1	− 1.2	− 1.5	− 1.7	− 2.1
31	0.0	−0.9	− 1.7	− 2.6	− 3.6	− 4.6	− 5.7	− 6.8	− 8.0	− 9.3	−10.5
April 10	0.0	−1.5	− 3.1	− 4.8	− 6.6	− 8.3	−10.3	−12.4	−14.6	−16.9	−19.3
20	0.0	−2.1	− 4.5	− 7.0	− 9.6	−12.2	−15.1	−18.1	−21.4	−24.7	−28.4
30	0.0	−3.0	− 6.0	− 9.2	−12.6	−16.1	−19.9	−23.9	−28.2	−32.7	−37.6
Mai 10	0.0	−3.6	− 7.3	−11.3	−15.5	−20.0	−24.6	−29.7	−35.2	−40.9	−47.1
20	0.0	−4.2	− 8.6	−13.3	−18.2	−23.6	−29.2	−35.4	−41.9	−48.9	−56.6
30	0.0	−4.7	− 9.7	−15.1	−20.7	−26.8	−33.3	−40.3	−47.9	−56.1	−65.2
Juni 9	0.0	−5.1	−10.6	−16.3	−22.5	−29.1	−36.2	−43.9	−52.3	−61.5	−71.9
19	0.0	−5.3	−10.9	−16.9	−23.3	−30.2	−37.5	−45.6	−54.4	−64.0	−75.0
29	0.0	−5.2	−10.7	−16.6	−23.0	−29.7	−37.0	−44.9	−53.6	−63.0	−73.8
Juli 9	0.0	−4.9	−10.2	−15.7	−21.6	−28.0	−34.7	−42.1	−50.0	−58.9	−68.4
19	0.0	−4.4	− 9.2	−14.1	−19.5	−25.1	−31.2	−37.6	−44.7	−52.3	−60.7
29	0.0	−3.8	− 8.0	−12.2	−16.8	−21.6	−26.8	−32.4	−38.2	−44.6	−51.5
Aug. 8	0.0	−3.2	− 6.6	−10.1	−14.0	−17.9	−22.2	−26.7	−31.4	−36.5	−42.0
18	0.0	−2.5	− 5.2	− 7.9	−11.0	−14.1	−17.4	−20.9	−24.6	−28.5	−32.8
28	0.0	−1.8	− 3.8	− 5.8	− 8.0	−10.2	−12.6	−15.2	−17.8	−20.7	−23.7
Sept. 7	0.0	−1.2	− 2.4	− 3.7	− 5.1	− 6.4	− 8.0	− 9.6	−11.2	−13.1	−15.0
17	0.0	−0.5	− 1.0	− 1.6	− 2.2	− 2.7	− 3.4	− 4.1	− 4.8	− 5.6	− 6.3
27	0.0	+0.2	+ 0.4	+ 0.5	+ 0.7	+ 1.0	+ 1.1	+ 1.3	+ 1.6	+ 1.8	+ 2.1
Okt. 7	0.0	+0.9	+ 1.7	+ 2.7	+ 3.6	+ 4.7	+ 5.7	+ 6.7	+ 8.0	+ 9.2	+10.5
17	0.0	+1.6	+ 3.1	+ 4.8	+ 6.5	+ 8.4	+10.2	+12.2	+14.5	+16.7	+19.1
27	0.0	+2.2	+ 4.5	+ 6.9	+ 9.4	+12.2	+14.9	+17.8	+21.1	+24.3	+27.9
Nov. 6	0.0	+2.9	+ 5.9	+ 9.0	+12.4	+15.9	+19.6	+23.4	+27.7	+32.1	+37.0
16	0.0	+3.6	+ 7.2	+11.1	+15.2	+19.5	+24.1	+29.1	+34.3	+39.8	+45.9
26	0.0	+4.1	+ 8.3	+13.0	+17.8	+22.8	+28.3	+34.1	+40.3	+47.1	+54.4
Dez. 6	0.0	+4.6	+ 9.3	+14.4	+19.7	+25.5	+31.6	+38.1	+45.2	+52.9	+61.2
16	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.4	+40.4	+48.1	+56.3	+65.5
26	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.6	+40.6	+48.3	+56.5	+65.7
36	0.0	+4.6	+ 9.3	+14.5	+19.9	+25.7	+32.0	+38.5	+45.7	+53.5	+62.0

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

*t**)	Geographische Breite φ										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	−94.6	−87.9	−80.9	−73.4	−65.5	−56.9	−47.6	−37.5	−26.4	−14.0	0.0
3 30	−88.5	−82.2	−75.6	−68.5	−61.0	−52.9	−44.2	−34.8	−24.4	−12.9	0.0
3 40	−82.5	−76.5	−70.3	−63.7	−56.6	−49.1	−41.0	−32.2	−22.5	−11.9	0.0
3 50	−76.6	−71.0	−65.2	−59.0	−52.4	−45.3	−37.8	−29.6	−20.7	−10.9	0.0
4 0	−70.8	−65.6	−60.1	−54.4	−48.2	−41.7	−34.7	−27.2	−18.9	− 9.9	0.0
4 10	−65.1	−60.3	−55.2	−49.9	−44.2	−38.2	−31.7	−24.8	−17.3	− 9.0	0.0
4 20	−59.5	−55.0	−50.3	−45.5	−40.3	−34.8	−28.9	−22.5	−15.7	− 8.2	0.0
4 30	−54.0	−49.9	−45.6	−41.2	−36.5	−31.4	−26.1	−20.4	−14.1	− 7.4	0.0
4 40	−48.4	−44.8	−40.9	−36.9	−32.7	−28.2	−23.3	−18.2	−12.6	− 6.6	0.0
4 50	−43.0	−39.8	−36.4	−32.7	−29.0	−24.9	−20.7	−16.1	−11.2	− 5.8	0.0
5 0	−37.7	−34.8	−31.8	−28.6	−25.3	−21.8	−18.1	−14.1	− 9.8	− 5.0	0.0
5 10	−32.4	−29.9	−27.3	−24.6	−21.7	−18.7	−15.5	−12.1	− 8.4	− 4.3	0.0
5 20	−27.1	−25.0	−22.8	−20.6	−18.2	−15.6	−12.9	−10.1	− 7.0	− 3.6	0.0
5 30	−21.9	−20.2	−18.4	−16.6	−14.7	−12.6	−10.4	− 8.1	− 5.6	− 2.9	0.0
5 40	−16.7	−15.4	−14.0	−12.6	−11.2	− 9.6	− 7.9	− 6.2	− 4.3	− 2.2	0.0
5 50	−11.5	−10.6	− 9.7	− 8.7	− 7.7	− 6.6	− 5.5	− 4.2	− 2.9	− 1.5	0.0
6 0	− 6.4	− 5.8	− 5.4	− 4.8	− 4.2	− 3.6	− 3.0	− 2.3	− 1.6	− 0.9	0.0
6 10	− 1.2	− 1.1	− 1.0	− 0.9	− 0.8	− 0.7	− 0.6	− 0.4	− 0.3	− 0.2	0.0
6 20	+ 4.0	+ 3.7	+ 3.4	+ 3.0	+ 2.6	+ 2.3	+ 1.9	+ 1.5	+ 1.0	+ 0.5	0.0
6 30	+ 9.1	+ 8.4	+ 7.7	+ 6.9	+ 6.1	+ 5.3	+ 4.4	+ 3.4	+ 2.4	+ 1.2	0.0
6 40	+14.3	+13.2	+12.0	+10.8	+ 9.6	+ 8.2	+ 6.8	+ 5.3	+ 3.7	+ 1.9	0.0
6 50	+19.5	+18.0	+16.4	+14.8	+13.1	+11.2	+ 9.3	+ 7.2	+ 5.0	+ 2.6	0.0
7 0	+24.7	+22.8	+20.9	+18.8	+16.6	+14.2	+11.8	+ 9.1	+ 6.3	+ 3.3	0.0
7 10	+30.0	+27.7	+25.3	+22.8	+20.1	+17.3	+14.3	+11.1	+ 7.7	+ 4.0	0.0
7 20	+35.3	+32.6	+29.7	+26.8	+23.7	+20.3	+16.8	+13.1	+ 9.1	+ 4.7	0.0
7 30	+40.6	+37.5	+34.3	+30.9	+27.3	+23.4	+19.4	+15.1	+10.5	+ 5.5	0.0
7 40	+45.9	+42.5	+38.9	+35.0	+31.0	+26.6	+22.1	+17.2	+12.0	+ 6.2	0.0
7 50	+51.4	+47.6	+43.5	+39.2	+34.7	+29.9	+24.8	+19.3	+13.5	+ 7.0	0.0
8 0	+56.9	+52.7	+48.2	+43.5	+38.5	+33.2	+27.6	+21.5	+15.0	+ 7.8	0.0
8 10	+62.5	+57.9	+53.0	+47.9	+42.4	+36.6	+30.4	+23.8	+16.6	+ 8.6	0.0
8 20	+68.2	+63.2	+57.9	+52.3	+46.4	+40.1	+33.3	+26.1	+18.2	+ 9.5	0.0
8 30	+74.0	+68.5	+62.9	+56.9	+50.5	+43.7	+36.4	+28.5	+19.8	+10.5	0.0
8 40	+79.8	+74.0	+67.9	+61.5	+54.7	+47.3	+39.5	+30.9	+21.6	+11.4	0.0
8 50	+85.8	+79.6	+73.1	+66.3	+59.0	+51.1	+42.7	+33.5	+23.5	+12.5	0.0
9 0	+91.9	+85.3	+78.4	+71.2	+63.4	+55.0	+46.0	+36.3	+25.5	+13.5	0.0

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

t*)	Geographische Breite φ										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	0.0	+7.7	+16.1	+25.2	+35.1	+46.1	+58.4	+72.5	+89.1	+109.7	+138.1
3 30	0.0	+7.1	+14.7	+22.9	+31.8	+41.6	+52.4	+64.5	+78.3	+ 94.5	+114.3
3 40	0.0	+6.5	+13.4	+20.9	+28.9	+37.6	+47.2	+57.7	+69.4	+ 82.7	+ 98.2
3 50	0.0	+5.9	+12.2	+19.0	+26.2	+34.0	+42.5	+51.7	+61.9	+ 73.3	+ 86.1
4 0	0.0	+5.4	+11.1	+17.2	+23.7	+30.8	+38.2	+46.3	+55.2	+ 65.0	+ 76.0
4 10	0.0	+4.9	+10.1	+15.6	+21.4	+27.7	+34.4	+41.6	+49.4	+ 57.9	+ 67.3
4 20	0.0	+4.5	+ 9.1	+14.0	+19.2	+24.8	+30.8	+37.3	+44.0	+ 51.5	+ 59.6
4 30	0.0	+4.0	+ 8.1	+12.5	+17.2	+22.2	+27.5	+33.1	+39.1	+ 45.7	+ 52.7
4 40	0.0	+3.5	+ 7.3	+11.2	+15.3	+19.7	+24.3	+29.3	+34.5	+ 40.2	+ 46.3
4 50	0.0	+3.1	+ 6.4	+ 9.8	+13.4	+17.3	+21.4	+25.6	+30.2	+ 35.1	+ 40.4
5 0	0.0	+2.7	+ 5.5	+ 8.5	+11.6	+15.0	+18.5	+22.2	+26.1	+ 30.3	+ 34.8
5 10	0.0	+2.3	+ 4.7	+ 7.2	+10.0	+12.8	+15.7	+18.9	+22.2	+ 25.7	+ 29.5
5 20	0.0	+2.0	+ 3.9	+ 6.0	+ 8.3	+10.7	+13.1	+15.7	+18.4	+ 21.3	+ 24.4
5 30	0.0	+1.6	+ 3.2	+ 4.8	+ 6.7	+ 8.5	+10.5	+12.6	+14.8	+ 17.1	+ 19.6
5 40	0.0	+1.2	+ 2.4	+ 3.7	+ 5.0	+ 6.5	+ 7.9	+ 9.5	+11.2	+ 13.0	+ 14.8
5 50	0.0	+0.8	+ 1.7	+ 2.6	+ 3.4	+ 4.4	+ 5.5	+ 6.5	+ 7.7	+ 8.9	+ 10.2
6 0	0.0	+0.5	+ 0.9	+ 1.4	+ 1.9	+ 2.4	+ 3.0	+ 3.6	+ 4.2	+ 4.9	+ 5.6
6 10	0.0	+0.1	+ 0.2	+ 0.2	+ 0.4	+ 0.5	+ 0.6	+ 0.7	+ 0.8	+ 0.9	+ 1.1
6 20	0.0	−0.3	− 0.6	− 0.9	− 1.2	− 1.5	− 1.9	− 2.3	− 2.6	− 3.0	− 3.5
6 30	0.0	−0.6	− 1.3	− 2.0	− 2.7	− 3.5	− 4.3	− 5.2	− 6.0	− 7.0	− 8.0
6 40	0.0	−1.0	− 2.1	− 3.1	− 4.3	− 5.5	− 6.8	− 8.1	− 9.5	− 11.0	− 12.6
6 50	0.0	−1.3	− 2.9	− 4.3	− 5.9	− 7.5	− 9.4	−11.2	−13.1	− 15.1	− 17.3
7 0	0.0	−1.7	− 3.6	− 5.5	− 7.5	− 9.6	−11.9	−14.2	−16.7	− 19.3	− 22.2
7 10	0.0	−2.1	− 4.4	− 6.7	− 9.2	−11.7	−14.5	−17.4	−20.4	− 23.7	− 27.1
7 20	0.0	−2.5	− 5.1	− 7.9	−10.8	−13.8	−17.1	−20.6	−24.2	− 28.1	− 32.3
7 30	0.0	−2.9	− 6.0	− 9.2	−12.6	−16.1	−19.9	−24.0	−28.2	− 32.8	− 37.7
7 40	0.0	−3.3	− 6.9	−10.6	−14.4	−18.5	−22.9	−27.5	−32.4	− 37.8	− 43.4
7 50	0.0	−3.8	− 7.7	−12.0	−16.3	−21.0	−25.9	−31.3	−36.9	− 43.0	− 49.6
8 0	0.0	−4.2	− 8.7	−13.4	−18.3	−23.7	−29.2	−35.3	−41.7	− 48.7	− 56.3
8 10	0.0	−4.7	− 9.6	−14.9	−20.4	−26.4	−32.6	−39.5	−46.8	− 54.8	− 63.5
8 20	0.0	−5.2	−10.6	−16.4	−22.6	−29.2	−36.3	−44.0	−52.3	− 61.5	− 71.6
8 30	0.0	−5.7	−11.7	−18.1	−25.0	−32.4	−40.4	−49.1	−58.6	− 69.1	− 81.0
8 40	0.0	−6.3	−12.9	−19.9	−27.6	−35.8	−44.9	−54.9	−65.7	− 77.9	− 92.1
8 50	0.0	−6.8	−14.1	−21.9	−30.5	−39.7	−49.8	−61.2	−73.8	− 88.5	−106.1
9 0	0.0	−7.4	−15.4	−24.1	−33.7	−44.1	−55.3	−68.4	−83.6	−101.4	−125.9

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Julianische Periode

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Julianische Periode

I. Anzahl der am o. Januar seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1]) Die Zahlen geben die am —1. Jan. seit Anfang der Periode verflossenen Tage

Ia. Anzahl der am o. jedes Monats seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. o	Febr. o	März o	April o	Mai o	Juni o	Juli o	Aug. o	Sept. o	Okt. o	Nov. o	Dez. o
0	0[2])	31[2])	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern

[2]) In den Jahren 1700, 1800, 1900 um 1 zu vergrößern

Julianische Periode

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1860	2400	410	441	470	501	531	562	592	623	654	684	715	745
1861		776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401	141	172	200	231	261	292	322	353	384	414	445	475
1863		506	537	565	596	626	657	687	718	749	779	810	840
1864		871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402	237	268	296	327	357	388	418	449	480	510	541	571
1866		602	633	661	692	722	753	783	814	845	875	906	936
1867		967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403	332	363	392	423	453	484	514	545	576	606	637	667
1869		698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404	063	094	122	153	183	214	244	275	306	336	367	397
1871		428	459	487	518	548	579	609	640	671	701	732	762
1872		793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405	159	190	218	249	279	310	340	371	402	432	463	493
1874		524	555	583	614	644	675	705	736	767	797	828	858
1875		889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406	254	285	314	345	375	406	436	467	498	528	559	589
1877		620	651	679	710	740	771	801	832	863	893	924	954
1878		985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407	350	381	409	440	470	501	531	562	593	623	654	684
1880		715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408	081	112	140	171	201	232	262	293	324	354	385	415
1882		446	477	505	536	566	597	627	658	689	719	750	780
1883		811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409	176	207	236	267	297	328	358	389	420	450	481	511
1885		542	573	601	632	662	693	723	754	785	815	846	876
1886		907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410	272	303	331	362	392	423	453	484	515	545	576	606
1888		637	668	697	728	758	789	819	850	881	911	942	972
1889	2411	003	034	062	093	123	154	184	215	246	276	307	337
1890		368	399	427	458	488	519	549	580	611	641	672	702
1891		733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412	098	129	158	189	219	250	280	311	342	372	403	433
1893		464	495	523	554	584	615	645	676	707	737	768	798
1894		829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413	194	225	253	284	314	345	375	406	437	467	498	528
1896		559	590	619	650	680	711	741	772	803	833	864	894
1897		925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414	290	321	349	380	410	441	471	502	533	563	594	624
1899		655	686	714	745	775	806	836	867	898	928	959	989

Julianische Periode

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415	020	051	079	110	140	171	201	232	263	293	324	354
1901		385	416	444	475	505	536	566	597	628	658	689	719
1902		750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416	115	146	174	205	235	266	296	327	358	388	419	449
1904		480	511	540	571	601	632	662	693	724	754	785	815
1905		846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417	211	242	270	301	331	362	392	423	454	484	515	545
1907		576	607	635	666	696	727	757	788	819	849	880	910
1908		941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418	307	338	366	397	427	458	488	519	550	580	611	641
1910		672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419	037	068	096	127	157	188	218	249	280	310	341	371
1912		402	433	462	493	523	554	584	615	646	676	707	737
1913		768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420	133	164	192	223	253	284	314	345	376	406	437	467
1915		498	529	557	588	618	649	679	710	741	771	802	832
1916		863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421	229	260	288	319	349	380	410	441	472	502	533	563
1918		594	625	653	684	714	745	775	806	837	867	898	928
1919		959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422	324	355	384	415	445	476	506	537	568	598	629	659
1921		690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423	055	086	114	145	175	206	236	267	298	328	359	389
1923		420	451	479	510	540	571	601	632	663	693	724	754
1924		785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424	151	182	210	241	271	302	332	363	394	424	455	485
1926		516	547	575	606	636	667	697	728	759	789	820	850
1927		881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425	246	277	306	337	367	398	428	459	490	520	551	581
1929		612	643	671	702	732	763	793	824	855	885	916	946
1930		977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426	342	373	401	432	462	493	523	554	585	615	646	676
1932		707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427	073	104	132	163	193	224	254	285	316	346	377	407
1934		438	469	497	528	558	589	619	650	681	711	742	772
1935		803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428	168	199	228	259	289	320	350	381	412	442	473	503
1937		534	565	593	624	654	685	715	746	777	807	838	868
1938		899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429	264	295	323	354	384	415	445	476	507	537	568	598

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Reduktion ist zur mittl. Zeit zu addieren

Red.	0m	1m	2m	3m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 6 15	12 12 29	18 18 44	0.00	0 0	0.50	3 3
1	0 6 6	6 12 21	12 18 35	18 24 50	0.01	0 4	0.51	3 7
2	0 12 12	6 18 27	12 24 42	18 30 56	0.02	0 7	0.52	3 10
3	0 18 19	6 24 33	12 30 48	18 37 2	0.03	0 11	0.53	3 14
4	0 24 25	6 30 40	12 36 54	18 43 9	0.04	0 15	0.54	3 18
5	0 30 31	6 36 46	12 43 0	18 49 15	0.05	0 18	0.55	3 21
6	0 36 37	6 42 52	12 49 7	18 55 21	0.06	0 22	0.56	3 25
7	0 42 44	6 48 58	12 55 13	19 1 27	0.07	0 26	0.57	3 29
8	0 48 50	6 55 4	13 1 19	19 7 34	0.08	0 29	0.58	3 32
9	0 54 56	7 1 11	13 7 25	19 13 40	0.09	0 33	0.59	3 36
10	1 1 2	7 7 17	13 13 31	19 19 46	0.10	0 37	0.60	3 40
11	1 7 9	7 13 23	13 19 38	19 25 52	0.11	0 40	0.61	3 43
12	1 13 15	7 19 29	13 25 44	19 31 59	0.12	0 44	0.62	3 47
13	1 19 21	7 25 36	13 31 50	19 38 5	0.13	0 48	0.63	3 51
14	1 25 27	7 31 42	13 37 56	19 44 11	0.14	0 51	0.64	3 54
15	1 31 34	7 37 48	13 44 3	19 50 17	0.15	0 55	0.65	3 58
16	1 37 40	7 43 54	13 50 9	19 56 23	0.16	0 59	0.66	4 2
17	1 43 46	7 50 1	13 56 15	20 2 30	0.17	1 2	0.67	4 5
18	1 49 52	7 56 7	14 2 21	20 8 36	0.18	1 6	0.68	4 9
19	1 55 59	8 2 13	14 8 28	20 14 42	0.19	1 10	0.69	4 13
20	2 2 5	8 8 19	14 14 34	20 20 48	0.20	1 13	0.70	4 16
21	2 8 11	8 14 26	14 20 40	20 26 55	0.21	1 17	0.71	4 20
22	2 14 17	8 20 32	14 26 46	20 33 1	0.22	1 21	0.72	4 24
23	2 20 24	8 26 38	14 32 53	20 39 7	0.23	1 24	0.73	4 27
24	2 26 30	8 32 44	14 38 59	20 45 13	0.24	1 28	0.74	4 31
25	2 32 36	8 38 51	14 45 5	20 51 20	0.25	1 32	0.75	4 35
26	2 38 42	8 44 57	14 51 11	20 57 26	0.26	1 35	0.76	4 38
27	2 44 49	8 51 3	14 57 18	21 3 32	0.27	1 39	0.77	4 42
28	2 50 55	8 57 9	15 3 24	21 9 38	0.28	1 43	0.78	4 46
29	2 57 1	9 3 16	15 9 30	21 15 45	0.29	1 46	0.79	4 49
30	3 3 7	9 9 22	15 15 36	21 21 51	0.30	1 50	0.80	4 53
31	3 9 14	9 15 28	15 21 43	21 27 57	0.31	1 54	0.81	4 57
32	3 15 20	9 21 34	15 27 49	21 34 3	0.32	1 57	0.82	5 0
33	3 21 26	9 27 41	15 33 55	21 40 10	0.33	2 1	0.83	5 4
34	3 27 32	9 33 47	15 40 1	21 46 16	0.34	2 5	0.84	5 8
35	3 33 38	9 39 53	15 46 8	21 52 22	0.35	2 8	0.85	5 11
36	3 39 45	9 45 59	15 52 14	21 58 28	0.36	2 12	0.86	5 15
37	3 45 51	9 52 5	15 58 20	22 4 35	0.37	2 16	0.87	5 19
38	3 51 57	9 58 12	16 4 26	22 10 41	0.38	2 19	0.88	5 22
39	3 58 3	10 4 18	16 10 33	22 16 47	0.39	2 23	0.89	5 26
40	4 4 10	10 10 24	16 16 39	22 22 53	0.40	2 26	0.90	5 30
41	4 10 16	10 16 30	16 22 45	22 29 0	0.41	2 30	0.91	5 33
42	4 16 22	10 22 37	16 28 51	22 35 6	0.42	2 34	0.92	5 37
43	4 22 28	10 28 43	16 34 57	22 41 12	0.43	2 37	0.93	5 41
44	4 28 35	10 34 49	16 41 4	22 47 18	0.44	2 41	0.94	5 44
45	4 34 41	10 40 55	16 47 10	22 53 24	0.45	2 45	0.95	5 48
46	4 40 47	10 47 2	16 53 16	22 59 31	0.46	2 48	0.96	5 52
47	4 46 53	10 53 8	16 59 22	23 5 37	0.47	2 52	0.97	5 55
48	4 53 0	10 59 14	17 5 29	23 11 43	0.48	2 56	0.98	5 59
49	4 59 6	11 5 20	17 11 35	23 17 49	0.49	2 59	0.99	6 3
50	5 5 12	11 11 27	17 17 41	23 23 56	0.50	3 3	1.00	6 6
51	5 11 18	11 17 33	17 23 47	23 30 2				
52	5 17 25	11 23 39	17 29 54	23 36 8				
53	5 23 31	11 29 45	17 36 0	23 42 14				
54	5 29 37	11 35 52	17 42 6	23 48 21				
55	5 35 43	11 41 58	17 48 12	23 54 27				
56	5 41 50	11 48 4	17 54 19	24 0 33				
57	5 47 56	11 54 10	18 0 25	24 6 39				
58	5 54 2	12 0 17	18 6 31	24 12 46				
59	6 0 8	12 6 23	18 12 37	24 18 52				

Die Reduktion
ist von der Sternzeit
zu subtrahieren

m	0h d	1h d	2h d	3h d	4h d	5h d	s	d
0	0.000000	0.041667	0.083333	0.125000	0.166667	0.208333	0	0.000000
1	.000694	.042361	.084028	.125694	.167361	.209028	1	.000012
2	.001389	.043056	.084722	.126389	.168056	.209722	2	.000023
3	.002083	.043750	.085417	.127083	.168750	.210417	3	.000035
4	.002778	.044444	.086111	.127778	.169444	.211111	4	.000046
5	0.003472	0.045139	0.086806	0.128472	0.170139	0.211806	5	0.000058
6	.004167	.045833	.087500	.129167	.170833	.212500	6	.000069
7	.004861	.046528	.088194	.129861	.171528	.213194	7	.000081
8	.005556	.047222	.088889	.130556	.172222	.213889	8	.000093
9	.006250	.047917	.089583	.131250	.172917	.214583	9	.000104
10	0.006944	0.048611	0.090278	0.131944	0.173611	0.215278	10	0.000116
11	.007639	.049306	.090972	.132639	.174306	.215972	11	.000127
12	.008333	.050000	.091667	.133333	.175000	.216667	12	.000139
13	.009028	.050694	.092361	.134028	.175694	.217361	13	.000150
14	.009722	.051389	.093056	.134722	.176389	.218056	14	.000162
15	0.010417	0.052083	0.093750	0.135417	0.177083	0.218750	15	0.000174
16	.011111	.052778	.094444	.136111	.177778	.219444	16	.000185
17	.011806	.053472	.095139	.136806	.178472	.220139	17	.000197
18	.012500	.054167	.095833	.137500	.179167	.220833	18	.000208
19	.013194	.054861	.096528	.138194	.179861	.221528	19	.000220
20	0.013889	0.055556	0.097222	0.138889	0.180556	0.222222	20	0.000231
21	.014583	.056250	.097917	.139583	.181250	.222917	21	.000243
22	.015278	.056944	.098611	.140278	.181944	.223611	22	.000255
23	.015972	.057639	.099306	.140972	.182639	.224306	23	.000266
24	.016667	.058333	.100000	.141667	.183333	.225000	24	.000278
25	0.017361	0.059028	0.100694	0.142361	0.184028	0.225694	25	0.000289
26	.018056	.059722	.101389	.143056	.184722	.226389	26	.000301
27	.018750	.060417	.102083	.143750	.185417	.227083	27	.000313
28	.019444	.061111	.102778	.144444	.186111	.227778	28	.000324
29	.020139	.061806	.103472	.145139	.186806	.228472	29	.000336
30	0.020833	0.062500	0.104167	0.145833	0.187500	0.229167	30	0.000347
31	.021528	.063194	.104861	.146528	.188194	.229861	31	.000359
32	.022222	.063889	.105556	.147222	.188889	.230556	32	.000370
33	.022917	.064583	.106250	.147917	.189583	.231250	33	.000382
34	.023611	.065278	.106944	.148611	.190278	.231944	34	.000394
35	0.024306	0.065972	0.107639	0.149306	0.190972	0.232639	35	0.000405
36	.025000	.066667	.108333	.150000	.191667	.233333	36	.000417
37	.025694	.067361	.109028	.150694	.192361	.234028	37	.000428
38	.026389	.068056	.109722	.151389	.193056	.234722	38	.000440
39	.027083	.068750	.110417	.152083	.193750	.235417	39	.000451
40	0.027778	0.069444	0.111111	0.152778	0.194444	0.236111	40	0.000463
41	.028472	.070139	.111806	.153472	.195139	.236806	41	.000475
42	.029167	.070833	.112500	.154167	.195833	.237500	42	.000486
43	.029861	.071528	.113194	.154861	.196528	.238194	43	.000498
44	.030556	.072222	.113889	.155556	.197222	.238889	44	.000509
45	0.031250	0.072917	0.114583	0.156250	0.197917	0.239583	45	0.000521
46	.031944	.073611	.115278	.156944	.198611	.240278	46	.000532
47	.032639	.074306	.115972	.157639	.199306	.240972	47	.000544
48	.033333	.075000	.116667	.158333	.200000	.241667	48	.000556
49	.034028	.075694	.117361	.159028	.200694	.242361	49	.000567
50	0.034722	0.076389	0.118056	0.159722	0.201389	0.243056	50	0.000579
51	.035417	.077083	.118750	.160417	.202083	.243750	51	.000590
52	.036111	.077778	.119444	.161111	.202778	.244444	52	.000602
53	.036806	.078472	.120139	.161806	.203472	.245139	53	.000613
54	.037500	.079167	.120833	.162500	.204167	.245833	54	.000625
55	0.038194	0.079861	0.121528	0.163194	0.204861	0.246528	55	0.000637
56	.038889	.080556	.122222	.163889	.205556	.247222	56	.000648
57	.039583	.081250	.122917	.164583	.206250	.247917	57	.000660
58	.040278	.081944	.123611	.165278	.206944	.248611	58	.000671
59	.040972	.082639	.124306	.165972	.207639	.249306	59	.000683

	6^h	7^h	8^h	9^h	10^h	11^h		
m	d	d	d	d	d	d	s	d
0	0.250000	0.291667	0.333333	0.375000	0.416667	0.458333	0	0.000000
1	.250694	.292361	.334028	.375694	.417361	.459028	1	.000012
2	.251389	.293056	.334722	.376389	.418056	.459722	2	.000023
3	.252083	.293750	.335417	.377083	.418750	.460417	3	.000035
4	.252778	.294444	.336111	.377778	.419444	.461111	4	.000046
5	0.253472	0.295139	0.336806	0.378472	0.420139	0.461806	5	0.000058
6	.254167	.295833	.337500	.379167	.420833	.462500	6	.000069
7	.254861	.296528	.338194	.379861	.421528	.463194	7	.000081
8	.255556	.297222	.338889	.380556	.422222	.463889	8	.000093
9	.256250	.297917	.339583	.381250	.422917	.464583	9	.000104
10	0.256944	0.298611	0.340278	0.381944	0.423611	0.465278	10	0.000116
11	.257639	.299306	.340972	.382639	.424306	.465972	11	.000127
12	.258333	.300000	.341667	.383333	.425000	.466667	12	.000139
13	.259028	.300694	.342361	.384028	.425694	.467361	13	.000150
14	.259722	.301389	.343056	.384722	.426389	.468056	14	.000162
15	0.260417	0.302083	0.343750	0.385417	0.427083	0.468750	15	0.000174
16	.261111	.302778	.344444	.386111	.427778	.469444	16	.000185
17	.261806	.303472	.345139	.386806	.428472	.470139	17	.000197
18	.262500	.304167	.345833	.387500	.429167	.470833	18	.000208
19	.263194	.304861	.346528	.388194	.429861	.471528	19	.000220
20	0.263889	0.305556	0.347222	0.388889	0.430556	0.472222	20	0.000231
21	.264583	.306250	.347917	.389583	.431250	.472917	21	.000243
22	.265278	.306944	.348611	.390278	.431944	.473611	22	.000255
23	.265972	.307639	.349306	.390972	.432639	.474306	23	.000266
24	.266667	.308333	.350000	.391667	.433333	.475000	24	.000278
25	0.267361	0.309028	0.350694	0.392361	0.434028	0.475694	25	0.000289
26	.268056	.309722	.351389	.393056	.434722	.476389	26	.000301
27	.268750	.310417	.352083	.393750	.435417	.477083	27	.000313
28	.269444	.311111	.352778	.394444	.436111	.477778	28	.000324
29	.270139	.311806	.353472	.395139	.436806	.478472	29	.000336
30	0.270833	0.312500	0.354167	0.395833	0.437500	0.479167	30	0.000347
31	.271528	.313194	.354861	.396528	.438194	.479861	31	.000359
32	.272222	.313889	.355556	.397222	.438889	.480556	32	.000370
33	.272917	.314583	.356250	.397917	.439583	.481250	33	.000382
34	.273611	.315278	.356944	.398611	.440278	.481944	34	.000394
35	0.274306	0.315972	0.357639	0.399306	0.440972	0.482639	35	0.000405
36	.275000	.316667	.358333	.400000	.441667	.483333	36	.000417
37	.275694	.317361	.359028	.400694	.442361	.484028	37	.000428
38	.276389	.318056	.359722	.401389	.443056	.484722	38	.000440
39	.277083	.318750	.360417	.402083	.443750	.485417	39	.000451
40	0.277778	0.319444	0.361111	0.402778	0.444444	0.486111	40	0.000463
41	.278472	.320139	.361806	.403472	.445139	.486806	41	.000475
42	.279167	.320833	.362500	.404167	.445833	.487500	42	.000486
43	.279861	.321528	.363194	.404861	.446528	.488194	43	.000498
44	.280556	.322222	.363889	.405556	.447222	.488889	44	.000509
45	0.281250	0.322917	0.364583	0.406250	0.447917	0.489583	45	0.000521
46	.281944	.323611	.365278	.406944	.448611	.490278	46	.000532
47	.282639	.324306	.365972	.407639	.449306	.490972	47	.000544
48	.283333	.325000	.366667	.408333	.450000	.491667	48	.000556
49	.284028	.325694	.367361	.409028	.450694	.492361	49	.000567
50	0.284722	0.326389	0.368056	0.409722	0.451389	0.493056	50	0.000579
51	.285417	.327083	.368750	.410417	.452083	.493750	51	.000590
52	.286111	.327778	.369444	.411111	.452778	.494444	52	.000602
53	.286806	.328472	.370139	.411806	.453472	.495139	53	.000613
54	.287500	.329167	.370833	.412500	.454167	.495833	54	.000625
55	0.288194	0.329861	0.371528	0.413194	0.454861	0.496528	55	0.000637
56	.288889	.330556	.372222	.413889	.455556	.497222	56	.000648
57	.289583	.331250	.372917	.414583	.456250	.497917	57	.000660
58	.290278	.331944	.373611	.415278	.456944	.498611	58	.000671
59	.290972	.332639	.374306	.415972	.457639	.499306	59	.000683

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ-☊	Δλ	a	B	λ-☊	λ-☊	Δλ	a	B	λ-☊
°	′		° ′	°	°	′		° ′	°
0	+0.0+	−0.0269+	−0 0.0+	180	45	+0.6+	−0.0190+	−1 5.3+	225
1	0.0	268	0 1.6	181	46	0.6	187	1 6.4	226
2	0.0	268	0 3.2	182	47	0.6	183	1 7.5	227
3	0.1	268	0 4.8	183	48	0.6	180	1 8.6	228
4	0.1	268	0 6.4	184	49	0.6	176	1 9.7	229
5	+0.1+	−0.0268+	−0 8.0+	185	50	+0.6+	−0.0173+	−1 10.7+	230
6	0.1	267	0 9.7	186	51	0.6	169	1 11.8	231
7	0.1	267	0 11.3	187	52	0.6	165	1 12.8	232
8	0.2	266	0 12.9	188	53	0.6	162	1 13.8	233
9	0.2	265	0 14.4	189	54	0.6	158	1 14.7	234
10	+0.2+	−0.0264+	−0 16.0+	190	55	+0.6+	−0.0154+	−1 15.6+	235
11	0.2	264	0 17.6	191	56	0.6	150	1 16.6	236
12	0.2	263	0 19.2	192	57	0.6	146	1 17.4	237
13	0.3	262	0 20.8	193	58	0.6	142	1 18.3	238
14	0.3	261	0 22.3	194	59	0.5	138	1 19.2	239
15	+0.3+	−0.0259+	−0 23.9+	195	60	+0.5+	−0.0134+	−1 20.0+	240
16	0.3	258	0 25.5	196	61	0.5	130	1 20.8	241
17	0.3	257	0 27.0	197	62	0.5	126	1 21.5	242
18	0.4	255	0 28.5	198	63	0.5	122	1 22.3	243
19	0.4	254	0 30.1	199	64	0.5	118	1 23.0	244
20	+0.4+	−0.0252+	−0 31.6+	200	65	+0.5+	−0.0114+	−1 23.7+	245
21	0.4	251	0 33.1	201	66	0.5	109	1 24.4	246
22	0.4	249	0 34.6	202	67	0.4	105	1 25.0	247
23	0.4	247	0 36.1	203	68	0.4	101	1 25.6	248
24	0.5	245	0 37.6	204	69	0.4	096	1 26.2	249
25	+0.5+	−0.0243+	−0 39.0+	205	70	+0.4+	−0.0092+	−1 26.8+	250
26	0.5	241	0 40.5	206	71	0.4	87	1 27.3	251
27	0.5	239	0 41.9	207	72	0.4	83	1 27.8	252
28	0.5	237	0 43.4	208	73	0.3	79	1 28.3	253
29	0.5	235	0 44.8	209	74	0.3	74	1 28.8	254
30	+0.5+	−0.0233+	−0 46.2+	210	75	+0.3+	−0.0070+	−1 29.2+	255
31	0.5	230	0 47.6	211	76	0.3	65	1 29.6	256
32	0.6	228	0 48.9	212	77	0.3	60	1 30.0	257
33	0.6	225	0 50.3	213	78	0.2	56	1 30.3	258
34	0.6	223	0 51.6	214	79	0.2	51	1 30.6	259
35	+0.6+	−0.0220+	−0 53.0+	215	80	+0.2+	−0.0047+	−1 30.9+	260
36	0.6	217	0 54.3	216	81	0.2	42	1 31.2	261
37	0.6	214	0 55.6	217	82	0.2	37	1 31.4	262
38	0.6	212	0 56.9	218	83	0.1	33	1 31.6	263
39	0.6	209	0 58.1	219	84	0.1	28	1 31.8	264
40	+0.6+	−0.0206+	−0 59.4+	220	85	+0.1+	−0.0023+	−1 32.0+	265
41	0.6	203	1 0.6	221	86	0.1	19	1 32.1	266
42	0.6	200	1 1.8	222	87	0.1	14	1 32.2	267
43	0.6	196	1 3.0	223	88	0.0	09	1 32.3	268
44	0.6	193	1 4.1	224	89	0.0	05	1 32.3	269
45	+0.6+	−0.0190+	−1 5.3+	225	90	+0.0+	−0.0000+	−1 32.3+	270

$$l' = \lambda + \Delta\lambda - a(B - \beta) - L_{\text{☾}}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{\text{☾}}$ = Mittlere Länge des Mondes, ☊ = Mondknoten (siehe Seite 58)

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ−☊	Δλ	a	B	λ−☊	λ−☊	Δλ	a	B	λ−☊
°	′		° ′	°	°	′		° ′	°
90	−0.0−	+0.0000−	−1 32.3+	270	135	−0.6−	+0.0190−	−1 5.3+	315
91	0.0	05	1 32.3	271	136	0.6	193	1 4.1	316
92	0.0	09	1 32.3	272	137	0.6	196	1 3.0	317
93	0.1	14	1 32.2	273	138	0.6	200	1 1.8	318
94	0.1	19	1 32.1	274	139	0.6	203	1 0.6	319
95	−0.1−	+0.0023−	−1 32.0+	275	140	−0.6−	+0.0206−	−0 59.4+	320
96	0.1	28	1 31.8	276	141	0.6	209	0 58.1	321
97	0.1	33	1 31.6	277	142	0.6	212	0 56.9	322
98	0.2	37	1 31.4	278	143	0.6	214	0 55.6	323
99	0.2	42	1 31.2	279	144	0.6	217	0 54.3	324
100	−0.2−	+0.0047−	−1 30.9+	280	145	−0.6−	+0.0220−	−0 53.0+	325
101	0.2	51	1 30.6	281	146	0.6	223	0 51.6	326
102	0.2	56	1 30.3	282	147	0.6	225	0 50.3	327
103	0.3	60	1 30.0	283	148	0.6	228	0 48.9	328
104	0.3	65	1 29.6	284	149	0.5	230	0 47.6	329
105	−0.3−	+0.0070−	−1 29.2+	285	150	−0.5−	+0.0233−	−0 46.2+	330
106	0.3	74	1 28.8	286	151	0.5	235	0 44.8	331
107	0.3	79	1 28.3	287	152	0.5	237	0 43.4	332
108	0.4	83	1 27.8	288	153	0.5	239	0 41.9	333
109	0.4	87	1 27.3	289	154	0.5	241	0 40.5	334
110	−0.4−	+0.0092−	−1 26.8+	290	155	−0.5−	+0.0243−	−0 39.0+	335
111	0.4	096	1 26.2	291	156	0.5	245	0 37.6	336
112	0.4	101	1 25.6	292	157	0.4	247	0 36.1	337
113	0.4	105	1 25.0	293	158	0.4	249	0 34.6	338
114	0.5	109	1 24.4	294	159	0.4	251	0 33.1	339
115	−0.5−	+0.0114−	−1 23.7+	295	160	−0.4−	+0.0252−	−0 31.6+	340
116	0.5	118	1 23.0	296	161	0.4	254	0 30.1	341
117	0.5	122	1 22.3	297	162	0.4	255	0 28.5	342
118	0.5	126	1 21.5	298	163	0.3	257	0 27.0	343
119	0.5	130	1 20.8	299	164	0.3	258	0 25.5	344
120	−0.5−	+0.0134−	−1 20.0+	300	165	−0.3−	+0.0259−	−0 23.9+	345
121	0.5	138	1 19.2	301	166	0.3	261	0 22.3	346
122	0.6	142	1 18.3	302	167	0.3	262	0 20.8	347
123	0.6	146	1 17.4	303	168	0.2	263	0 19.2	348
124	0.6	150	1 16.5	304	169	0.2	264	0 17.6	349
125	−0.6−	+0.0154−	−1 15.6+	305	170	−0.2−	+0.0264−	−0 16.0+	350
126	0.6	158	1 14.7	306	171	0.2	265	0 14.4	351
127	0.6	162	1 13.8	307	172	0.2	266	0 12.9	352
128	0.6	165	1 12.8	308	173	0.1	267	0 11.3	353
129	0.6	169	1 11.8	309	174	0.1	267	0 9.7	354
130	−0.6−	+0.0173−	−1 10.7+	310	175	−0.1−	+0.0268−	−0 8.0+	355
131	0.6	176	1 9.7	311	176	0.1	268	0 6.4	356
132	0.6	180	1 8.6	312	177	0.1	268	0 4.8	357
133	0.6	183	1 7.5	313	178	0.0	268	0 3.2	358
134	0.6	187	1 6 4	314	179	0.0	268	0 1.6	359
135	−0.6−	+0.0190−	−1 5.3+	315	180	−0.0−	+0.0269−	−0 0.0+	360

$$l' = \lambda + \Delta\lambda - a\,(B - \beta) - L_{☾}\,; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite
λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort
$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten (siehe Seite 58)

Länge λ	Präzession in Länge p_λ — Breite β: 0°	+1°	+2°	+3°	+4°	+5°	+6°	+7°	+8°	+9°	Präz. in Br. p_β — Länge λ	Präzession p_β	
0°	50.262″	.254″	.245″	.237″	.229″	50.221″	.213″	.205″	.196″	.188″	0°	+0.048″	80
10	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	10	+0.128	77
20	.262	.255	.247	.240	.232	.225	.217	.210	.202	.195	20	+0.205	70
30	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	30	+0.275	63
40	50.262	.256	.251	.245	.239	50.233	.227	.221	.216	.210	40	+0.338	52
50	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	50	+0.390	40
60	.262	.259	.255	.252	.249	.245	.242	.238	.235	.231	60	+0.430	26
70	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	70	+0.456	14
80	50.262	.261	.261	.260	.259	50.259	.258	.258	.257	.257	80	+0.470	—1
90	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	90	+0.469	16
100	.262	.264	.267	.269	.271	.273	.275	.277	.280	.282	100	+0.453	29
110	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	110	+0.424	42
120	50.262	.267	.271	.276	.281	50.286	.291	.296	.301	.306	120	+0.382	54
130	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	130	+0.328	63
140	.262	.269	.275	.282	.289	.296	.303	.310	.317	.324	140	+0.265	72
150	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	150	+0.193	77
160	50.262	.270	.278	.286	.294	50.302	.310	.318	.326	.334	160	+0.116	81
170	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	170	+0.035	83
180	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	180	—0.048	80
190	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	190	—0.128	77
200	50.262	.269	.277	.284	.292	50.299	.307	.314	.322	.329	200	—0.205	70
210	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	210	—0.275	63
220	.262	.268	.273	.279	.285	.291	.297	.303	.308	.314	220	—0.338	52
230	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	230	—0.390	40
240	50.262	.265	.269	.272	.275	50.279	.282	.286	.289	.293	240	—0.430	26
250	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	250	—0.456	14
260	.262	.263	.263	.264	.265	.265	.266	.266	.267	.267	260	—0.470	—1
270	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	270	—0.469	16
280	50.262	.260	.257	.255	.253	50.251	.249	.247	.244	.242	280	—0.453	29
290	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	290	—0.424	42
300	.262	.257	.253	.248	.243	.238	.233	.228	.223	.218	300	—0.382	54
310	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	310	—0.328	63
320	50.262	.255	.249	.242	.235	50.228	.221	.214	.207	.200	320	—0.265	72
330	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	330	—0.193	77
340	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	340	—0.116	81
350	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	350	—0.035	83
360	50.262	.254	.245	.237	.229	50.221	.213	.205	.196	.188	360	+0.048	

Länge λ	Präzession in Länge p_λ: Breite β 0°	−1°	−2°	−3°	−4°	−5°	−6°	−7°	−8°	−9°	Präz. in Br. p_β: Länge λ	Präzession p_β	
°	″	″	″	″	″	″	″	″	″	″	°	″	
0	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	0	+0.048	80
10	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	10	+0.128	77
20	.262	.269	.277	.284	.292	.299	.307	.314	.322	.329	20	+0.205	70
30	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	30	+0.275	63
40	50.262	.268	.273	.279	.285	50.291	.297	.303	.308	.314	40	+0.338	52
50	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	50	+0.390	40
60	.262	.265	.269	.272	.275	.279	.282	.286	.289	.293	60	+0.430	26
70	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	70	+0.456	14
80	50.262	.263	.263	.264	.265	50.265	.266	.266	.267	.267	80	+0.470	−1
90	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	90	+0.469	16
100	.262	.260	.257	.255	.253	.251	.249	.247	.244	.242	100	+0.453	29
110	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	110	+0.424	42
120	50.262	.257	.253	.248	.243	50.238	.233	.228	.223	.218	120	+0.382	54
130	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	130	+0.328	63
140	.262	.255	.249	.242	.235	.228	.221	.214	.207	.200	140	+0.265	72
150	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	150	+0.193	77
160	50.262	.254	.246	.238	.230	50.222	.214	.206	.198	.190	160	+0.116	81
170	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	170	+0.035	83
180	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	180	−0.048	80
190	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	190	−0.128	77
200	50.262	.255	.247	.240	.232	50.225	.217	.210	.202	.195	200	−0.205	70
210	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	210	−0.275	63
220	.262	.256	.251	.245	.239	.233	.227	.221	.216	.210	220	−0.338	52
230	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	230	−0.390	40
240	50.262	.259	.255	.252	.249	50.245	.242	.238	.235	.231	240	−0.430	26
250	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	250	−0.456	14
260	.262	.261	.261	.260	.259	.259	.258	.258	.257	.257	260	−0.470	−1
270	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	270	−0.469	16
280	50.262	.264	.267	.269	.271	50.273	.275	.277	.280	.282	280	−0.453	29
290	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	290	−0.424	42
300	.262	.267	.271	.276	.281	.286	.291	.296	.301	.306	300	−0.382	54
310	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	310	−0.328	63
320	50.262	.269	.275	.282	.289	50.296	.303	.310	.317	.324	320	−0.265	72
330	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	330	−0.193	77
340	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	340	−0.116	81
350	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	350	−0.035	83
360	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	360	+0.048	

Präzession in Rektaszension (p_α) und Deklination (p_δ)

α \ δ	p_α +60°	+50°	+40°	+30°	+20°	+10°	0°	−10°	−20°	−30°	−40°	−50°	−60°	p_δ
h	s	s	s	s	s	s	s	s	s	s	s	s	s	"
0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0
1	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	+19.4
2	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	+17.4
3	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	+14.2
4	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	+10.0
5	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	+ 5.2
6	5.39	4.67	4.19	3.84	3.56	3.31	3.07	2.84	2.59	2.30	1.95	1.48	0.76	0.0
7	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	− 5.2
8	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	−10.0
9	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	−14.2
10	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	−17.4
11	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	−19.4
12	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	−20.0
13	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	−19.4
14	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	−17.4
15	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	−14.2
16	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	−10.0
17	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	− 5.2
18	0.76	1.48	1.95	2.30	2.59	2.84	3.07	3.31	3.56	3.84	4.19	4.67	5.39	0.0
19	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	+ 5.2
20	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	+10.0
21	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	+14.2
22	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	+17.4
23	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	+19.4
24	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0

Präzessionswerte und Schiefe der Ekliptik

Zeit	m	n	ψ	log π	Π	ε
	s	"	"		° ′	° ′ "
1900.0	3.07233	20.0468	50.2564	9.67309	173 57.06	23 27 8.26
1905.0	3.07243	20.0464	50.2575	9.67305	173 59.80	23 27 5.92
1910.0	3.07252	20.0460	50.2586	9.67302	174 2.53	23 27 3.58
1915.0	3.07261	20.0456	50.2597	9.67299	174 5.27	23 27 1.23
1920.0	3.07271	20.0451	50.2608	9.67296	174 8.01	23 26 58.89
1925.0	3.07280	20.0447	50.2620	9.67293	174 10.75	23 26 56.55
1930.0	3.07289	20.0443	50.2631	9.67290	174 13.49	23 26 54.21

Hilfsgrößen

zur Berechnung der geozentrischen Koordinaten

$\rho \sin \varphi' = s \sin \varphi$; $\rho \cos \varphi' = c \cos \varphi$

φ	log s	Δ	log c	Δ	φ	log s	Δ	log c	Δ
±0°	9.9970705	4	0.0000000	4	±40°	9.9976745	252	0.0006040	252
1	.9970709	14	.0000004	14	41	.9976997	254	.0006292	254
2	.9970723	22	.0000018	22	42	.9977251	255	.0006546	255
3	.9970745	31	.0000040	31	43	.9977506	255	.0006801	255
4	.9970776	40	.0000071	40	44	.9977761	255	.0007056	255
5	9.9970816	49	0.0000111	49	45	9.9978016	256	0.0007311	256
6	.9970865	57	.0000160	57	46	.9978272	255	.0007567	255
7	.9970922	66	.0000217	66	47	.9978527	255	.0007822	255
8	.9970988	74	.0000283	74	48	.9978782	254	.0008077	254
9	.9971062	83	.0000357	83	49	.9979036	252	.0008331	252
10	9.9971145	92	0.0000440	92	50	9.9979288	252	0.0008583	252
11	.9971237	99	.0000532	99	51	.9979540	249	.0008835	249
12	.9971336	108	.0000631	108	52	.9979789	247	.0009084	247
13	.9971444	116	.0000739	116	53	.9980036	245	.0009331	245
14	.9971560	123	.0000855	123	54	.9980281	242	.0009576	242
15	9.9971683	131	0.0000978	131	55	9.9980523	239	0.0009818	239
16	.9971814	139	.0001109	139	56	.9980762	235	.0010057	235
17	.9971953	146	.0001248	146	57	.9980997	232	.0010292	232
18	.9972099	154	.0001394	154	58	.9981229	228	.0010524	228
19	.9972253	160	.0001548	160	59	.9981457	224	.0010752	224
20	9.9972413	168	0.0001708	168	60	9.9981681	220	0.0010976	220
21	.9972581	174	.0001876	174	61	.9981901	215	.0011196	215
22	.9972755	180	.0002050	180	62	.9982116	209	.0011411	209
23	.9972935	187	.0002230	187	63	.9982325	205	.0011620	205
24	.9973122	192	.0002417	192	64	.9982530	199	.0011825	199
25	9.9973314	198	0.0002609	198	65	9.9982729	193	0.0012024	193
26	.9973512	204	.0002807	204	66	.9982922	188	.0012217	188
27	.9973716	209	.0003011	209	67	.9983110	181	.0012405	181
28	.9973925	214	.0003220	214	68	.9983291	175	.0012586	175
29	.9974139	219	.0003434	219	69	.9983466	168	.0012761	168
30	9.9974358	223	0.0003653	223	70	9.9983634	161	0.0012929	161
31	.9974581	227	.0003876	227	71	.9983795	154	.0013090	154
32	.9974808	232	.0004103	232	72	.9983949	147	.0013244	147
33	.9975040	235	.0004335	235	73	.9984096	140	.0013391	140
34	.9975275	238	.0004570	238	74	.9984236	132	.0013531	132
35	9.9975513	241	0.0004808	241	75	9.9984368	124	0.0013663	124
36	.9975754	245	.0005049	245	76	.9984492	117	.0013787	117
37	.9975999	246	.0005294	246	77	.9984609	108	.0013904	108
38	.9976245	249	.0005540	249	78	.9984717	100	.0014012	100
39	.9976494	251	.0005789	251	79	.9984817	92	.0014112	92
40	9.9976745		0.0006040		80	9.9984909		0.0014204	

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+0 7 0.1	+ 1.15	+43 11 17.8	9.999317
Åbo	—	+60 26 56.8	−1 29 6.30	−14.64	+60 16 58.8	9.998894
Adelaide	43	−34 55 38.5	−9 14 20.42	−91.06	−34 44 46.1	9.999526
Albany (N. Stw.)[1]	40	+42 39 12.6	+4 55 6.36	+48.48	+42 27 39.5	9.999334
Alfred Centre N.Y.	556	+42 15 19.8	+5 11 7.13	+51.11	+42 3 47.6	9.999379
Algier (N. Stw.)[2]	342	+36 47 50	−0 12 8.38	− 1.99	+36 36 43	9.999501
Allegheny (N. Stw.)	370	+40 28 58.1	+5 20 5.39	+52.59	+40 17 31.4	9.999411
Allegheny (A. Stw.)	349	+40 27 41.6	+5 20 2.97	+52.58	+40 16 15.0	9.999411
Altenburg[3]	229	+50 58 20	−0 49 44.16	− 8.17	+50 46 59	9.999135
Altona Mer.-Kreis[4]	31	+53 32 45.3	−0 39 46.19	− 6.53	+53 21 39.7	9.999058
Amherst (Neue Stw.)	110	+42 21 56.5	+4 50 5.98	+47.66	+42 10 24.0	9.999346
Amherst (Alte Stw.)	122	+42 22 17.1	+4 50 4.72	+47.66	+42 10 44.6	9.999347
Annapolis	—	+38 58 53.5	+5 5 56.53	+50.26	+38 47 33.6	9.999424
Ann Arbor	285	+42 16 48.0	+5 34 55.23	+55.02	+42 5 15.7	9.999360
Arcetri Zentr. d. St.[5]	186	+43 45 14.4	−0 45 1.30	− 7.39	+43 33 39.5	9.999316
Arequipa	2451	−16 22 28.0	+4 46 11.73	+47.02	−16 16 12.7	0.000052
Armagh	61	+54 21 12.7	+0 26 35.4	+ 4.37	+54 10 13.1	9.999041
Athen	107	+37 58 19.7	−1 34 52.92	−15.58	+37 47 5.4	9.999456
Bamberg (Remeis' St.)	299	+49 53 6.0	−0 43 33.57	− 7.15	+49 41 40.0	9.999167
Barcelona[6]	420	+41 24 2	−0 8 35.1	− 1.41	+41 12 32	9.999392
Beloit	—	+42 30 9	+5 56 7.4	+58.51	+42 18 36	9.999335
Bergedorf Mer.-Kr.	35	+53 28 46.7	−0 40 57.74	− 6.73	+53 17 40.6	9.999060
Bergen	—	+60 23 54	−0 21 12.73	− 3.48	+60 13 55	9.998895
Berkeley	97	+37 52 23.6	+8 9 2.82	+80.34	+37 41 9.9	9.999458
Berlin-Babelsberg[7]	80	+52 24 24.2	−0 52 25.49	− 8.61	+52 13 11.1	9.999089
Berlin (Urania)	—	+52 31 30.7	−0 53 27.40	− 8.78	+52 20 18.3	9.999081
Bern	573	+46 57 8.7	−0 29 45.55	− 4.89	+46 45 34.5	9.999261
Besançon	312	+47 14 59.0	−0 23 57.1	− 3.93	+47 3 25.3	9.999236
Bethlehem[8]	—	+40 36 23.5	+5 1 31.94	+49.54	+40 24 56.3	9.999383
Birr Castle[9]	56	+53 5 47	+0 31 40.9	+ 5.20	+52 54 38	9.999070
Bogota	2700	+ 4 35 48	+4 56 59	+48.79	+ 4 33 57	0.000175
Bologna Zentr. d. Stw.	84	+44 29 52.8	−0 45 24.48	− 7.46	+44 18 17.3	9.999290
Bombay (Colaba)	19	+18 53 36.2	−4 51 15.70	−47.85	+18 46 31.1	9.999849
Bonn Zentr. d. Stw.	62	+50 43 45.0	−0 28 23.18	− 4.66	+50 32 22.7	9.999130
Bordeaux (Floirac)	73	+44 50 7.2	+0 2 5.50	+ 0.34	+44 38 31.6	9.999281
Boston (University)	—	+42 21 32.5	+4 44 15.0	+46.70	+42 10 0.0	9.999339

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37′.0 nördlich, $7^s.10$ östlich. — [2]) Alte Sternwarte 3′.8 südlich, 8^s östlich. — [3]) Fr. Krüger. — [4]) 1873 nach Kiel verlegt. — [5]) Seit Oktober 1872, früher in Florenz. — [6]) J. Comas Solá. — [7]) Die Koordinaten beziehen sich auf die Mitte der großen Kuppel, in der der große Refraktor aufgestellt ist. Die frühere Sternwarte in Berlin (seit 1835) lag 5′ 52″.5 nördlich und $1^m\ 9^s.31$ östlich. — [8]) Sayre Observatory, auch South-Bethlehem. — [9]) Earl of Rosse.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Bothkamp[1]	32	+54 12 9.6	— 0 40 31.2	— 6.65	+54 1 8.8	9.999042
Bremen (Olbers' Stw.)	—	+53 4 36	— 0 35 15	— 5.79	+52 53 27	9.999067
Breslau Zentr.-d. Stw.	147	+51 6 56.5	— 1 8 8.72	— 11.19	+50 55 36.1	9.999126
Breteuil Zentr.[2]	66	+48 49 48	— 0 8 52.9	— 1.46	+48 38 18	9.999178
Brisbane	—	—27 28 0	—10 12 6.4	—100.55	—27 18 32	9.999691
Brüssel (Alte St.) Pass.Instr.	56	+50 51 10.7	— 0 17 28.71	— 2.87	+50 39 49.0	9.999126
Brüssel (Uccle) Mer.-Kreis	102	+50 47 55.5	— 0 17 26.06	— 2.86	+50 36 33.6	9.999131
Budapest[3]	110	+47 28 49	— 1 16 13.7	— 12.53	+47 17 16	9.999215
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	— 1 44 27.01	— 17.16	+44 12 58.7	9.999292
Cambridge Engl.	28	+52 12 51.6	0 0 22.75	— 0.06	+52 1 37.3	9.999090
Cambridge Mass.[4]	24	+42 22 47.6	+ 4 44 31.02	+ 46.74	+42 11 15.1	9.999340
Cap d. gut. Hoffnung	16	—33 56 3.2	— 1 13 54.74	— 12.14	—33 45 19.6	9.999548
Catania	60	+37 30 13.3	— 1 0 20.6	— 9.91	+37 19 1.9	9.999465
Chapultepec (Alte Stw.)[5]	—	+19 25 17.5	+ 6 36 38.28	+ 65.16	+19 18 2.3	9.999840
Charkow	138	+50 0 10.2	— 2 24 54.6	— 23.81	+49 48 44.7	9.999153
Charlottenburg, Techn. Hochsch.	60	+52 30 48.7	— 0 53 20.5	— 8.76	+52 19 36.2	9.999085
Charlottesville[6]	250	+38 2 1.2	+ 5 14 5.26	+ 51.60	+37 50 46.5	9.999464
Chicago (Alte Stw.)[7]	—	+41 50 1.0	+ 5 50 26.82	+ 57.57	+41 38 29.8	9.999352
Christiania Mer.-Kreis	25	+59 54 43.7	— 0 42 53.51	— 7.04	+59 44 39.2	9.998908
Cincinnati (Alte Stw.)	—	+39 6 26.5	+ 5 37 59.09	+ 55.52	+38 55 6.0	9.999421
Cincinnati (Neue Stw.)[8]	263	+39 8 19.8	+ 5 37 41.33	+ 55.47	+38 56 59.1	9.999438
Cleveland (Case Obs.)	212	+41 30 14.5	+ 5 26 25.86	+ 53.63	+41 18 44.3	9.999375
Clinton (Litchfield Obs.)	276	+43 3 16.5	+ 5 1 37.48	+ 49.55	+42 51 42.6	9.999340
Coimbra	99	+40 12 24.5	+ 0 33 43.1	+ 5.54	+40 0 58.9	9.999400
Columbia Missouri[9]	225	+38 56 51.7	+ 6 9 18.37	+ 60.67	+38 45 32.0	9.999440
Cordoba	439	—31 25 15.5	+ 4 16 48.2	+ 42.19	—31 14 57.5	9.999635
Danzig	3	+54 21 18.0	— 1 14 39.5	— 12.26	+54 10 18.4	9.999036
Denver[10]	1650	+39 40 36.4	+ 6 59 47.67	+ 68.96	+39 29 13.1	9.999519
Dorpat Mer.-Kreis	73	+58 22 47.1	— 1 46 53.23	— 17.56	+58 12 25.0	9.998946
Dresden (Neue Stw.)[11]	121	+51 2 16.8	— 0 54 54.74	— 9.02	+50 50 56.1	9.999126
Dresden (Mathem. Salon)	—	+51 3 14.7	— 0 54 55.83	— 9.02	+50 51 54.0	9.999117
Dublin (Dunsink Obs.)	86	+53 23 13.1	+ 0 25 21.1	+ 4.17	+53 12 6.4	9.999065
Düsseldorf (Bilk)	46	+51 12 25.0	— 0 27 2.69	— 4.44	+51 1 5.1	9.999117
Dunecht[12]	141	+57 9 36	+ 0 9 40	+ 1.59	+56 59 1	9.998979
Durham	107	+54 46 6.2	+ 0 6 19.7	+ 1.04	+54 35 9.8	9.999033
Edinburg	106	+55 57 23.2	+ 0 12 43.05	+ 2.09	+55 46 37.0	9.999005

[1]) Herr von Bülow. — [2]) Bureau international des Poids et Mesures. — [3]) Observ. der Ungar. Staats-Universität. — [4]) Harvard College Observatory. — [5]) 1883 nach Tacubaya verlegt. — [6]) Leander Mc. Cormick Obs. der University of Virginia. — [7]) 1887 geschlossen. — [8]) Mount Lookout, seit 1873. — [9]) Laws Observatory. — [10]) University Park, Chamberlin Observatory. — [11]) v. Engelhardt; Herbst 1897 aufgelöst. Alte Sternwarte 14″.2 nördlich, 1s.57 westlich. — [12]) Earl of Crawford.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Edinburg (Blackf. Hill) .	134	+55 55 28.0	+0 12 44.0	+ 2.09	+55 44 41.5	9.999007
Evanston (Dearborn Obs.)	175	+42 3 33.4	+5 50 42.3	+57.61	+41 52 1.6	9.999358
Flagstaff (Lowell Obs.) .	2210	+35 12 30.5	+7 26 44.6	+73.39	+35 1 35.8	9.999667
Florenz (Alte Sternw.)[1] .	73	+43 46 4.1	—0 45 1.30	— 7.40	+43 34 29.2	9.999308
Florenz (Mil. Geogr. Inst.)	—	+43 46 49.3	—0 45 2.52	— 7.40	+43 35 14.4	9.999303
Frankfurt a. M. . . .	121	+50 7 0	—0 34 36.3	— 5.70	+49 55 35	9.999149
Genf Mer.-Kreis	407	+46 11 59.1	—0 24 36.61	— 4.04	+46 0 23.9	9.999269
Genua (Mar. Stw.) Mer.-Kr.	105	+44 25 9.3	—0 35 41.28	— 5.86	+44 13 33.8	9.999293
Georgetown D. C. . .	46	+38 54 26.2	+5 8 18.33	+50.65	+38 43 6.7	9.999429
Glasgow Schottl. . . .	55	+55 52 42.6	+0 17 10.55	+ 2.82	+55 41 55.7	9.999003
Glasgow Missouri . . .	228	+39 13 45.6	+6 11 18.06	+61.00	+39 2 24.5	9.999433
Göttingen Mer.-Kreis . .	161	+51 31 48.2	—0 39 46.22	— 6.53	+51 20 30.0	9.999117
Gohlis[2])	108	+51 21 35.0	—0 49 29.54	— 8.13	+51 10 15.9	9.999117
Gotha (Neue Stw.) Zentr. d. St.[3])	320	+50 56 37.5	—0 42 50.52	— 7.04	+50 45 16.3	9.999142
Graz	375	+47 4 37.2	—1 1 48	—10.15	+46 53 3.2	9.999244
Greenwich Transit Circle	47	+51 28 38.1	0 0 0.00	0.00	+51 17 19.6	9.999110
Grignon	—	+47 33 42	—0 17 38	— 2.89	+47 22 9	9.999206
Groningen	4	+53 13 19.1	—0 26 15.2	— 4.31	+53 2 11.3	9.999064
Hamburg (Alt. Stw.) M.-Kr.[4])	25	+53 33 6.0	—0 39 53.60	— 6.55	+53 22 0.4	9.999057
Hamburg (D. Seewarte) .	30	+53 32 51.8	—0 39 53.42	— 6.55	+53 21 46.2	9.999058
Hanover N. H.	183	+43 42 15.2	+4 49 8.00	+47.50	+43 30 40.4	9.999317
Harrow (Col. Tupmann) .	66	+51 34 47.4	+0 1 19.9	+ 0.39	+51 23 29.5	9.999109
Hastings on Huds.[5]) .	—	+40 59 25	+4 55 29.7	+48.55	+40 47 56	9.999373
Haverford	—	+40 0 36.5	+5 1 12.79	+49.48	+39 49 11.8	9.999398
Heidelberg (Wolfs Stw.)	126	+49 24 35	—0 34 48.4	— 5.72	+49 13 7	9.999159
Heidelberg (Königst.) M.-Kr.	570	+49 23 54.6	—0 34 53.13	— 5.73	+49 12 26.8	9.999198
St. Helena	210	—15 55 26	+0 22 52.2	+ 3.76	—15 49 20	9.999905
Helsingfors Mer.-Kreis .	38	+60 9 42.6	—1 39 49.10	—16.40	+59 59 41.1	9.998903
Helwan	119	+29 51 33	—2 5 22	—20.59	+29 41 33	9.999648
Herény (von Gothard) . .	229	+47 15 47.4	—1 6 24.6	—10.91	+47 4 13.7	9.999229
Hongkong	34	+22 18 13.2	—7 36 41.9	—75.02	+22 10 5.8	9.999793
Hudson	—	+41 14 42.6	+5 25 44.19	+53.51	+41 3 13.2	9.999367
Ipswich (Orwell Park)[6]) .	—	+52 0 33	—0 4 55.8	— 0.81	+51 49 17	9.999094
Jena (Univers.) Zentr. d. St.	156	+50 55 35.6	—0 46 20.22	— 7.61	+50 44 14.3	9.999131
Jena (Winkler)	174	+50 56 15.7	—0 46 20.73	— 7.61	+50 44 54.5	9.999132
Johannesburg	1806	—26 10 55.3	—1 52 18.00	—18.45	—26 1 45.2	9.999840

[1]) 1872 nach Arcetri verlegt. — [2]) Winkler, August 1887 nach Jena verlegt. — [3]) Seit 1857, früher Seeberg. — [4]) 1909 nach Bergedorf verlegt. — [5]) Dr. Draper. — [6]) Col. Tomline.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Kairo	—	+30 4 38.2	—2 5 8.80	—20.56	+29 54 35.8	9.999635
Kalocsa [1]	110	+46 31 42	—1 15 54.2	—12.47	+46 20 7	9.999240
Karlsruhe [2]	110	+49 0 29.6	—0 33 35.40	— 5.52	+48 49 0.4	9.999177
Kasan (Univers.)	79	+55 47 24.3	—3 16 28.93	—32.28	+55 36 36.6	9.999007
Kasan (Engelhardt) . . .	98	+55 50 20.0	—3 15 16.4	—32.08	+55 39 32.7	9.999007
Kew	10	+51 28 6	+0 1 15.1	+ 0.21	+51 16 47	9.999108
Kiel Neuer Mer.-Kreis . .	52	+54 20 27.6	—0 40 35.45	— 6.67	+54 9 27.9	9.999040
Kiel Alter Mer.-Kreis . .	47	+54 20 28.5	—0 40 35.57	— 6.67	+54 9 28.8	9.999040
Kiew Mer.-Kreis	179	+50 27 12.5	—2 2 0.57	—20.04	+50 15 49.0	9.999145
Kis Kartal [3]	—	+47 41 54.8	—1 18 11.6	—12.84	+47 30 22.0	9.999202
Königsberg Reps. M.-Kr. [4]	22	+54 42 50.6	—1 21 58.98	—13.47	+54 31 53.8	9.999029
Kopenhagen (Neue Stw.) [5]	14	+55 41 12.6	—0 50 18.69	— 8.26	+55 30 24.0	9.999005
Kopenhagen (Urania-St.)	10	+55 41 19.2	—0 50 9.11	— 8.24	+55 30 30.6	9.999005
Krakau Mer.-Kreis . . .	221	+50 3 51.9	—1 19 50.28	—13.11	+49 52 26.7	9.999158
Kremsmünster Mer.-Kr.	384	+48 3 23.1	—0 56 31.58	— 9.28	+47 51 51.1	9.999219
Landstuhl (Fauth) . . .	385	+49 24.42.5	—0 30 16.35	— 4.97	+49 13 14.7	9.999185
La Plata	12	—34 54 30	+3 51 37.1	+38.05	—34 43 38	9.999524
Leiden (Neue Stw.) Mer.-Kr. [6]	6	+52 9 20.2	—0 17 56.15	— 2.94	+51 58 5.6	9.999090
Leipzig (Neue Stw.) Zentr. [7]	119	+51 20 5.9	—0 49 33.93	— 8.14	+51 8 46.7	9.999119
Lemberg	338	+49 50 11	—1 36 4	—15.78	+49 38 45	9.999171
Leyton [8]	—	+51 34 34.0	+0 0 0.9	0.00	+51 23 16.1	9.999105
Lissabon (Tupada) . .	94	+38 42 30.5	+0 36 44.78	+ 6.04	+38 31 12.0	9.999437
Lissabon (Mar. Stw.) . .	—	+38 42 17.6	+0 36 33.6	+ 6.01	+38 30 59.2	9.999431
Liverpool (Neue Stw.) [9]	61	+53 24 3.8	+0 12 17.2	+ 2.02	+53 12 57.2	9.999063
London [10]	—	+51 31 30	+0 0 37.1	+ 0.10	+51 20 12	9.999106
Lourenço Marques .	59	—25 58 4.9	—2 10 22.63	—21.42	—25 48 58.3	9.999725
Lübeck (Navig.-Sch.) .	19	+53 51 31.1	—0 42 45.6	— 7.02	+53 40 27.8	9.999049
Lund Zentr. d. Stw. . .	34	+55 41 52.0	—0 52 44.97	— 8.66	+55 31 3.5	9.999006
Lussinpiccolo [11] . . .	42	+44 32 11	—0 57 52.3	— 9.50	+44 20 35	9.999286
Lüttich Ougrée . . .	128	+50 37 6	—0 22 12	— 3.65	+50 25 43	9.999137
Lyon	299	+45 41 40.8	—0 19 8.0	— 3.14	+45 30 5.3	9.999274
Madison (Washburn Obs.)	293	+43 4 36.7	+5 57 37.90	+58.75	+42 53 2.8	9.999340
Madras	7	+13 4 8.1	—5 20 59.33	—52.73	+12 59 2.6	9.999926
Madrid Zentr. d. Stw. . .	655	+40 24 29.7	+0 14 45.09	+ 2.43	+40 13 3.3	9.999433
Mailand Gr. Turm . . .	120	+45 27 59.4	—0 36 45.89	— 6.04	+45 16 23.8	9.999268
Manila	3	+14 35 25	—8 3 50	—79.48	+14 29 47	9.999908

[1]) Erzbischöfl. Haynaldsche Sternwarte. — [2]) 1896 nach Heidelberg verlegt. — [3]) Baron von Podmaniczky. — [4]) Nach 1898, vor 1898 $0^s.01$ westlich. — [5]) Seit 1861 Nov. 11. Alte Sternwarte 20″.3 südlich, $0^s.03$ westlich. — [6]) Seit 1860. Alte Sternwarte 8″.0 nördlich, $0^s.42$ östlich. — [7]) Seit 1861. Alte Sternwarte 14″.2 nördlich, $4^s.00$ westlich. — [8]) J. Gurney Barclay. — [9]) Alte Sternwarte 44″.0 nördlich, $17^s.1$ östlich. — [10]) Regents Park, G. Bishop 1836—61. — [11]) Manora-Sternwarte.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Mannheim Zentr. d. Stw.	98	+49 29 11.0	−0 33 50.42	− 5.56	+49 17 43.5	9.999164
Marburg	248	+50 48 46.9	−0 35 4.9	− 5.76	+50 37 25.0	9.999141
Mare Island Calif. .	18	+38 5 55.8	+8 9 5.59	+80.35	+37 54 40.8	9.999447
Markree (Col. Cooper) .	45	+54 10 31.7	+0 33 48.4	+ 5.56	+53 59 30.7	9.999043
Marseille (N. St.) M.-Kr.[1])	75	+43 18 19.1	−0 21 34.56	− 3.54	+43 6 44.8	9.999320
Melbourne	28	−37 49 53.1	−9 39 54.17	−95.26	−37 38 39.6	9.999454
Meudon	162	+48 48 18	−0 8 55.5	− 1.46	+48 36 48	9.999185
Mexico	2277	+19 26 1.3	+6 36 26.71	+65.13	+19 18 45.9	9.999995
Middletown Conn. .	—	+41 33 16.0	+4 50 37.2	+47.74	+41 21 45.7	9.999359
Modena	63	+44 38 52.8	−0 43 42.8	− 7.18	+44 27 17.2	9.999285
Moncalieri	—	+44 59 51	−0 30 49	− 5.06	+44 48 15	9.999272
Montreal	20	+45 30 17.0	+4 54 18.65	+48.35	+45 18 41.4	9.999260
Mt. Hamilton (Lick) Mkr.	1283	+37 20 25.6	+8 6 34.85	+79.94	+37 9 15.2	9.999552
Mt. Wilson Calif. . .	1731	+34 12 59.5	+7 52 14.33	+77.47	+34 2 13.3	9.999658
Moskau Mer.-Kr. . . .	142	+55 45 19.5	−2 30 17.03	−24.69	+55 34 31.5	9.999012
Mundenheim[2]) . . .	—	+49 27 30	−0 33 44	− 5.54	+49 16 2	9.999158
München West-Kuppel	529	+48 8 45.5	−0 46 26.02	− 7.63	+47 57 13.8	9.999227
Nashville (Vanderbilt Obs.)	—	+36 8 58.2	+5 47 12.81	+57.04	+35 57 56.1	9.999494
Natal	79	−29 50 46.6	−2 4 1.18	−20.37	−29 40 47.0	9.999645
Neapel (Capo di M.) . .	164	+40 51 45.4	−0 57 1.6	− 9.37	+40 40 17.3	9.999388
Neuchâtel	488	+46 59 50.6	−0 27 49.75	− 4.57	+46 48 16.5	9.999254
New Haven (Neue Stw.)[3])	40	+41 19 22.3	+4 51 40.53	+47.92	+41 7 52.7	9.999368
New York (Rutherfurd)	—	+40 43 48.5	+4 55 56.66	+48.62	+40 32 20.9	9.999380
New York (Columb. C.)	—	+40 45 23.1	+4 55 53.73	+48.61	+40 33 55.4	9.999379
Nikolajew	55	+46 58 22.1	−2 7 53.76	−21.01	+46 46 47.9	9.999225
Nizza Kl. Mer.-Kr.[4]) . .	378	+43 43 16.9	−0 29 12.15	− 4.79	+43 31 42.0	9.999330
Northfield (Goodsell Obs.)	286	+44 27 41.6	+6 12 36.0	+61.21	+44 16 6.1	9.999305
Oakland Californ.[5]) .	11	+37 48 5	+8 9 6.3	+80.35	+37 36 52	9.999454
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−2 3 2.05	−20.21	+46 17 1.3	9.999237
Odessa (Filiale Pulkowa)	—	+46 28 36.0	−2 3 2.19	−20.21	+46 17 1.1	9.999234
Ogden Utah	—	+41 13 8.6	+7 27 59.65	+73.60	+41 1 39.3	9.999368
O-Gyalla Astroph. Obs.[6])	113	+47 52 27.3	−1 12 45.49	−11.95	+47 40 54.9	9.999206
Olmütz[7])	—	+49 35 43	−1 9 8	−11.35	+49 24 16	9.999154
Ottawa	84	+45 23 37.3	+5 2 51.93	+49.75	+45 12 1.7	9.999267
Oxford (Radcl. Obs.) . .	65	+51 45 35.4	+0 5 2.6	+ 0.83	+51 34 18.5	9.999104
Oxford (Univers.) . . .	64	+51 45 34.2	+0 5 0.4	+ 0.82	+51 34 17.3	9.999104

[1]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6s.2 westlich; 29m. — [2]) Dr. Max Mündler. — [3]) Yale University. Alte Sternwarte 45″.8 südlich, 1s.58 westlich. — [4]) Herr R. Bischofsheim. — [5]) Chabot Observatory. — [6]) Stiftung von Konkoly. — [7]) Herr von Unkrechtsberg.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Oxford Mississippi	—	+34 22 12.6	+ 5 58 7.1	+58.83	+34 11 25.1	9.999536
Padua Mauer-Quadr.	31	+45 24 1.0	— 0 47 29.15	— 7.80	+45 12 25.4	9.999263
Palermo	76	+38 6 44.0	— 0 53 25.80	— 8.78	+37 55 28.9	9.999451
Paramatta	—	—33 48 49.8	—10 4 0.2	—99.22	—33 38 7.3	9.999550
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	— 0 9 20.94	— 1.53	+48 38 41.5	9.999177
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	— 0 9 20.70	— 1.53	+48 37 48.2	9.999174
Parma (Univ.-Stw.) Turm.	—	+44 48 4.7	— 0 41 18.79	— 6.39	+44 36 29.1	9.999277
Perth West.-Austr.	60	—31 57 9.6	— 7 43 21.74	—76.12	—31 46 45.8	9.999597
Petersburg (Akademie)	20	+59 56 29.7	— 2 1 13.35	—19.91	+59 46 25.5	9.998907
Petersburg (Univers.)	4	+59 56 32.0	— 2 1 11.3	—19.91	+59 46 27.8	9.998906
Philadelphia (Alte Stw.)	—	+39 57 7.5	+ 5 0 38.49	+49.39	+39 45 43.0	9.999400
Philadelphia[1])	74	+39 58 2.1	+ 5 1 6.6	+49.47	+39 46 37.5	9.999404
Plonsk[2])	—	+52 37 40.0	— 1 21 31.9	—13.39	+52 26 28.2	9.999078
Pola	32	+44 51 48.6	— 0 55 22.96	— 9.10	+44 40 12.9	9.999277
Porto Alegre[3]) Mer.-Kr.	—	—30 1 51	+ 3 24 53.2	+33.66	—29 51 49	9.999636
Portsmouth	—	+50 48 3	+ 0 4 24.8	+ 0.73	+50 36 41	9.999124
Potsdam (Astrophys. Obs.)	97	+52 22 56.0	— 0 52 15.86	— 8.58	+52 11 42.7	9.999091
Potsdam (Geod.Inst.) Turm	97	+52 22 54.8	— 0 52 16.12	— 8.58	+52 11 41.5	9.999091
Poughkeepsie[4])	46	+41 41 18	+ 4 55 33.6	+48.56	+41 29 47	9.999359
Prag (Univ.-Stw.) Turm	197	+50 5 16.0	— 0 57 40.29	— 9.47	+49 53 50.9	9.999155
Prag (Safarik)	—	+50 4 24	— 0 57 48	— 9.49	+49 52 59	9.999142
Princeton N. J. (N. Stw.)[5])	76	+40 20 55.8	+ 4 58 39.53	+49.06	+40 9 29.7	9.999395
Providence[6])	64	+41 49 46.4	+ 4 45 37.62	+46.92	+41 38 15.2	9.999356
Pulkowa Zentr. d. Stw.	75	+59 46 18.7	— 2 1 18.58	—19.93	+59 36 12.5	9.998914
Quebec Canada	94	+46 48 17.3	+ 4 44 49.4	+46.79	+46 36 42.9	9.999232
Quito	2846	— 0 14 0	+ 5 15 20	+51.80	— 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	— 1 36 28.11	—15.84	+56 46 30	9.998974
Rio de Janeiro	63	—22 54 23.7	+ 2 52 41.52	+28.37	—22 46 6.0	9.999784
Rochester (Lewis Swift)	172	+43 9 16.8	+ 5 10 21.87	+50.98	+42 57 42.7	9.999330
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	— 0 49 55.36	— 8.19	+41 42 22.3	9.999354
Rom (Capitol) Mer.-Kr.	63	+41 53 33.5	— 0 49 56.34	— 8.20	+41 42 2.2	9.999355
Rom (Vatican) Mer.-Kr.	100	+41 54 16.8	— 0 49 49.28	— 8.18	+41 42 45.5	9.999357
Rousdon	157	+50 42 38	+ 0 11 58.9	+ 1.96	+50 31 16	9.999137
Rugby	117	+52 22 7	+ 0 5 2.0	+ 0.83	+52 10 54	9.999093
St. Louis Missouri	—	+38 38 3.6	+ 6 0 49.15	+59.28	+38 26 45.5	9.999433
San Fernando	31	+36 27 40.4	+ 0 24 49.37	+ 4.08	+36 16 36.1	9.999488

[1]) Flower Obs. (Univ. of Pennsylvania). — [2]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. [3]) Observatorio Regional do Rio Grande do Sul. — [4]) Vassar College. — [5]) Alte Sternwarte $2''.0$ nördlich, $1^s.94$ östlich; 65^m. — [6]) Seagrave; Ladd Observatory $35''$ nördlich, $1^s.57$ östlich.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
San Francisco[1] . . .	— m	+37° 47′ 28.″0	+ 8h 9m 42.s81	+80.s45	+37° 36′ 14.″8	9.999453
Santiago de Chile (N. St.)	519	−33 26 42.0	+ 4 42 46.4	+46.44	−33 16 3.0	9.999594
Santiago de Chile (A. St.)	619	−33 26 25.4	+ 4 42 36.9	+46.42	−33 15 46.4	9.999600
Scarborough	—	+54 16 30	+ 0 1 38.9	+ 0.27	+54 5 30	9.999038
Schwerin	—	+53 37 37.9	— 0 45 40.80	— 7.50	+53 26 32.9	9.999054
Seeberg[2])	356	+50 56 5.2	— 0 42 55.10	— 7.05	+50 44 44.0	9.999145
Sétif	1113	+36 11 19	— 0 21 38.3	— 3.55	+36 0 17	9.999569
South Hadley	76	+42 15 18.2	+ 4 50 20.38	+47.70	+42 3 45.9	9.999346
Speyer	—	+49 18 55.2	— 0 33 45.51	— 5.54	+49 7 27.1	9.999161
Stockholm Mer.-Kreis .	44	+59 20 32.7	— 1 12 13.97	—11.86	+59 10 21.4	9.998922
Stonyhurst.	116	+53 50 40.0	+ 0 9 52.7	+ 1.62	+53 39 36.5	9.999056
Straßburg (Prov. Stw.) .	161	+48 34 54.0	— 0 31 2.37	— 5.10	+48 23 23.5	9.999191
Straßburg (N.St.). M.-Kr.[3])	144	+48 35 0.4	— 0 31 4.53	— 5.10	+48 23 29.9	9.999190
Sydney.	44	—33 51 41.1	—10 4 49.60	—99.35	—33 40 58.2	9.999551
Tacubaya[4])	2322	+19 24 17.5	+ 6 36 46.53	+65.18	+19 17 2.6	9.999998
Taschkent	457	+41 19 31.3	— 4 37 10.69	—45.53	+41 8 1.7	9.999396
Taunton Mass. (Metcalf).	8	+41 54	+ 4 44 20	+46.71	+41 42	9.999351
Teramo (Cerulli)	398	+42 39 27	— 0 54 56	— 9.02	+42 27 54	9.999358
Tokio	—	+35 39 17.5	— 9 18 58.73	—91.82	+35 28 19.2	9.999506
Toronto	108	+43 39 35.9	+ 5 17 34.69	+52.17	+43 28 1.1	9.999313
Tortosa (Ebro-Stw.) M.-Kr.	—	+40 49 14	— 0 1 58.5	— 0.32	+40 37 46	9.999378
Toulouse	194	+43 36 45.3	— 0 5 51.0	— 0.96	+43 25 10.6	9.999320
Triest	23	+45 38 45.4	— 0 55 2.90	— 9.04	+45 27 9.9	9.999256
Troy N. Y.	—	+42 43 52.9	+ 4 54 44.6	+48.42	+42 32 19.6	9.999329
Tsingtau (Met.-astr. Stat.)	—	+36 4 11.3	— 8 1 16.21	—79.06	+35 53 9.8	9.999496
Tulse Hill (W. Huggins) .	53	+51 26 47.0	+ 0 0 27.7	+ 0.08	+51 15 28.4	9.999111
Turin Mer.-Kr.	276	+45 4 7.9	— 0 30 47.15	— 5.06	+44 52 32.2	9.999288
Twickenham (G. Bishop)	—	+51 27 4.2	+ 0 1 13.1	+ 0.20	+51 15 45.6	9.999108
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	— 1 10 30.13	—11.58	+59 41 24.2	9.998909
Urbana Jll.	236	+40 6 20.2	+ 5 52 53.97	+57.97	+39 54 55.1	9.999412
Utrecht	12	+52 5 9.5	— 0 20 31.6	— 3.37	+51 53 54.4	9.999093
Valkenburg (Ignatius Coll.)	—	+50 52 29.3	— 0 23 19.91	— 3.83	+50 41 7.8	9.999122
Venedig	15	+45 26 10.5	— 0 49 22.12	— 8.11	+45 14 34.9	9.999261
Warschau[5]) Zentr. d. Stw.	110	+52 13 4.6	— 1 24 7.25	—13.82	+52 1 50.3	9.999096
Warschau[6])	—	+52 13 10	— 1 24 5	—13.81	+52 1 56	9.999088
Washington (Alte Stw.)	31	+38 53 38.9	+ 5 8 12.13	+50.63	+38 42 19.4	9.999428

[1]) Davidson Observatory. — [2]) Alte Sternwarte, 1857 nach Gotha verlegt. — [3]) Seit Anfang 1881. — [4]) Seit März 1883, früher in Chapultepec. — [5]) Universitäts-Sternwarte. — [6]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
Washington (Neue Stw.) .	82m	+38° 55' 14.0"	+ 5h 8m 15.80s	+ 50.64s	+38° 43' 54.4"	9.999431
Washington (Kath.Univ.) .	—	+38 56 14.8	+ 5 8 0.0	+ 50.60	+38 44 55.1	9.999425
Wellington Transit Instr.[1]	127	−41 17 3.8	−11 39 4.27	−114.84	−41 5 34.3	9.999375
Wellington (Mt. Cook Obs.)[2]	44	−41 16 47.1	−11 39 5.31	−114.84	−41 5 17.6	9.999369
West Point N.Y. (N. Stw.)[3]	170	+41 23 22.1	+ 4 55 50.6	+ 48.60	+41 11 52.3	9.999375
Whitestone (Field Obs.) .	—	+40 47 21.6	+ 4 55 7.7	+ 48.48	+40 35 53.8	9.999379
Wien (Alte Sternw.)	167	+48 12 35.5	− 1 5 31.61	− 10.76	+48 1 3.9	9.999201
Wien (Josephstadt)[4] . . .	214	+48 12 53.8	− 1 5 25.17	− 10.74	+48 1 22.2	9.999204
Wien (Neue Sternw.) Zentr. .	240	+48 13 55.4	− 1 5 21.36	− 10.73	+48 2 23.9	9.999205
Wien (Ottakring)[5]	285	+48 12 46.7	− 1 5 10.97	− 10.71	+48 1 15.1	9.999209
Wien (Mil. Geogr. Inst.) . .	—	+48 12 40.0	− 1 5 26.25	− 10.75	+48 1 8.4	9.999189
Wien (Techn. Hochschule) .	—	+48 11 58.5	− 1 5 29.71	− 10.76	+48 0 26.9	9.999190
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	− 0 32 35.06	− 5.35	+53 20 46.4	9.999057
Williams-Bay Wisc.[6].	335	+42 34 12.6	+ 5 54 13.28	+ 58.19	+42 22 39.6	9.999356
Williamstown Mass. . .	213	+42 42 49	+ 4 52 53.5	+ 48.12	+42 31 16	9.999344
Williamstown Vict. . .	—	−37 52 7.2	− 9 39 38.1	− 95.22	−37 40 53.5	9.999451
Wilna Pass.-Instr.	122	+54 40 59.1	− 1 41 8.76	− 16.61	+54 30 2.1	9.999036
Windsor N. S. W.[7] . .	16	−33 36 30.8	−10 3 20.77	− 99.11	−33 25 50.2	9.999556
Zô-sè China	100	+31 5 48	− 8 4 44.80	− 79.63	+30 55 34	9.999619
Zürich Meridian-Kreis . .	468	+47 22 38.3	− 0 34 12.3	− 5.62	+47 11 4.8	9.999242

[1]) Hector Observatory. — [2]) 1884 abgebrochen. — [3]) Seit 1883. Alte Sternwarte 9" nördlich, $1^s.2$ östlich. — [4]) von Oppolzers Sternwarte. — [5]) v. Kuffner. — [6]) Yerkes Observatory. — [7]) J. Tebbutt. Neue Sternwarte, 0".4 südlich von der alten.

Normalzeiten der wichtigeren Länder

a) An den Meridian von Greenwich angeschlossen

Normalzeit	Bezeichnung	Staaten
$11^h\ 30^m$ O.	—	Neu Seeland
10 0	Ostaustralische Z.	Victoria, Neu Süd-Wales, Queensland, Tasmanien
9 30	—	Süd-Australien
9 0	—	Japan, Korea
8 0	Ostchinesische Küsten-Z.	Ostküste von China, West-Australien
7 0	Südchinesische Küsten-Z.	Südküste von China, Franz. Indochina
5 30	—	Ostindien
2 30	—	Deutsch Ostafrika
2 0	Osteuropäische Z.	Bulgarien, Rumänien, Türkei, Ägypten, Süd-Afrika
1 0	Mitteleuropäische Z. (M. E. Z.)	Dänemark, Deutschland, Italien, Luxemburg, Norwegen, Österreich, Ungarn, Schweden, Schweiz, Jugoslawien, Deutsch Südwest-Afrika
0 0	Westeuropäische Z. (Greenwich Z.)	Belgien, Frankreich, Großbritannien und Irland, Portugal, Spanien, Gibraltar, Algerien
3 0 W.	—	Ost-Brasilien
4 0	Atlantic St. Time	Mittel-Brasilien, Canada (Küste)
5 0	Eastern St. Time	Canada (Quebec, Ontario bis 82° 30′ westl.), Vereinigte Staaten (Ost-Zone), Chile, Panama, Peru, West-Brasilien
6 0	Central St. Time	Zentral-Zone von Canada und Vereinigte Staaten
7 0	Mountain St. Time	Gebirgszone von Canada und Vereinigte Staten
8 0	Pacific St. Time	Vereinigte Staaten (Pacifische Küste), Britisch Kolumbien
10 30	—	Sandwich Inseln

b) Nicht an den Meridian von Greenwich angeschlossen

Staaten	Meridian	Längendifferenz gegen Greenwich	Staaten	Meridian	Längendifferenz gegen Greenwich
Argentinien	Cordoba	$4^h\ 16^m\ 48.2^s$ W.	Niederlande	Amsterdam	$0^h\ 19^m\ 32.1^s$ O.
Columbien	Bogota	4 56 54.2 W.	Rußland	Pulkowa	2 1 18.6 O.
Ecuador	Quito	5 14 6.7 W.	Uruguay	Montevideo	3 44 48.9 W.
Griechenland	Athen	1 34 52.9 O.	Venezuela	Caracas	4 27 43.6 W.
Mexico	Mexico	6 36 26.7 W.			

Besondere Erläuterungen zu den Angaben und zum Gebrauch des Jahrbuchs.

Das Jahrbuch gibt die Örter der *Wandelsterne* in geozentrischen und in heliozentrischen Koordinaten. Die Zeitpunkte, für die sie gelten, sind, wenn nicht ausdrücklich eine andere Zeit angegeben wird, in Mittlerer Zeit Greenwich ausgedrückt.

Die Örter der *Fixsterne* sind einmal als wahre, auf das mittlere Äquinoktium des Jahresanfangs bezogen, und dann in Ephemeridenform als scheinbare, auf das instantane wahre Äquinoktium bezogen, gegeben.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Sonnenephemeride (S. 2—38).

Der erste Teil der Sonnenephemeride (S. 2—19) gibt auf den linken Seiten für jeden mittleren Greenwicher Mittag:

1) Die Zeitgleichung = Mittlere Zeit *minus* Wahre Zeit.

2) Die geozentrischen, äquatorialen Koordinaten α, δ des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, in den Koordinaten nicht enthalten.

3) Die halbe Durchgangsdauer der Sonnenscheibe durch den Meridian in Sternzeit.

4) Den geozentrischen Halbmesser H der Sonnenscheibe, d. i. der Winkel, unter dem der Sonnenhalbmesser vom Erdmittelpunkt aus erscheint.

Die rechten Seiten geben:

1) Den Tag der julianischen Periode.

2) Die Sternzeit im Mittleren Greenwicher Mittag.

Um für einen anderen Erdort der westlichen Längendifferenz $\Delta\lambda$ (in Stunden) gegen Greenwich die Sternzeit in seinem Mittleren Mittag zu erhalten, ist zu diesen Angaben zuzulegen: $9^s.8565\,\Delta\lambda$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten.

3) Die geozentrischen ekliptikalen Koordinaten λ, β des wahren Sonnenorts, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie log R, den Logarithmus der Entfernung R der Erde von der Sonne. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

4) Die mittleren Ortszeiten des Aufgangs und Untergangs der Sonne für einen Ort des Nullmeridians in $+50^0$ Breite; sie sind mit der Horizontalrefraktion $34'.9$ berechnet und gelten für den oberen Rand der Sonne. Um daraus für einen beliebigen anderen Ort zwischen $+30^0$ und $+60^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 420, 421 zu benutzen.

Auf S. 20—37 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen geozentrischen äquatorialen Sonnenkoordinaten für 0^h und 12^h Mittlere Zeit Greenwich mit ihren stündlichen Änderungen in Einheiten der siebenten Dezimale. Daneben stehen von Tag zu Tag ihre Reduktionen auf das mittlere Äquinoktium 1925.0. Auf S. 367—369 sind die vereinigten Werte, d. h. die auf das mittlere Äquinoktium 1925.0 bezogenen rechtwinkligen Sonnenkoordinaten sechsstellig von 4 zu 4 Tagen gegeben; sie dienen zur bequemen Verbindung der Koordinatenangaben aufeinanderfolgender Jahre bei Rechnungen über Kleine Planeten und Kometen. Am Fuß der Seite 37 finden sich die Zeiten für die Anfänge der Jahreszeiten und für das Peri- und Apogäum der Sonne.

Die Seite 38 enthält die Aberration, Parallaxe, mittlere Länge $L_\odot$ und mittlere Anomalie $M_\odot$ der Sonne im Intervall von je 10 Tagen.

Mondephemeride (S. 39—58).

Seite 39 enthält die Zeitangaben für die Phasen und das Peri- und Apogäum des Mondes.

Die Mondephemeride (S. 40—57) gibt auf den linken Seiten für 12^h Mittlere Zeit Greenwich:

1) Die scheinbare Rektaszension und Deklination des Mondmittelpunktes mit den ersten Differenzen.

2) Die Äquatorial-Horizontalparallaxe $p_☾$ des Mondes.

3) Den geozentrischen Mondhalbmesser $r_☾$, d. i. der Winkel, unter dem der Mondhalbmesser vom Erdmittelpunkt aus erscheint.

4) Die Länge und Breite des Mondes, abgekürzt auf $0^0.001$.

Die rechten Seiten enthalten:

1) Für den oberen Durchgang des Mondes im Meridian von Greenwich die genäherten Angaben für die Rektaszension, Deklination und Parallaxe des Mondmittelpunktes, sowie die Mittlere Greenwicher Zeit dieses Durchgangs, nebst den Änderungen für 1^h Längendifferenz.

2) Die mittleren Ortszeiten des Aufgangs und Untergangs des Mondes für einen Ort des Nullmeridians in $+50^0$ Breite nebst Änderung für 1^h Längendifferenz; sie sind mit der Horizontalrefraktion $34'.9$ und der Parallaxe $57'.0$ berechnet und gelten für den oberen Rand des Mondes. Um daraus für einen beliebigen anderen Ort zwischen $+30^0$ und $+60^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 422, 423 zu benutzen.

Auf S. 58 finden sich:

Ω, Aufsteigender Knoten der Mondbahn auf der Ekliptik
$L_☾$, Mittlere Länge des Mondes
$M_☾$, Mittlere Anomalie des Mondes
i, Neigung des Mondäquators gegen den Erdäquator
Ω', Aufsteigender Knoten des Mondäquators auf dem Erdäquator
Δ, Stück des Mondäquators zwischen Ekliptik und Erdäquator

$\mho$, der aufsteigende Knoten des Mondäquators auf der Ekliptik ist gleich dem absteigenden Knoten der Mondbahn, also

$$\mho = \Omega \pm 180^0.$$

Die Größen i, Δ und Ω' berechnen sich aus:

$$\sin\frac{1}{2}(\Delta + \Omega')\cos\frac{1}{2}i = \cos\frac{1}{2}(\varepsilon - J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\Delta + \Omega')\cos\frac{1}{2}i = \cos\frac{1}{2}(\varepsilon + J)\cos\frac{1}{2}\mho$$

$$\sin\frac{1}{2}(\Delta - \Omega')\sin\frac{1}{2}i = \sin\frac{1}{2}(\varepsilon - J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\Delta - \Omega')\sin\frac{1}{2}i = \sin\frac{1}{2}(\varepsilon + J)\cos\frac{1}{2}\mho;$$

dabei ist J, die Neigung des Mondäquators gegen die Ekliptik, nach F. Hayn (Astr. Nachr. Bd. 199, S. 263) zu $J = 1^0\,32'\,20''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die auf S. 58 gemachten Angaben über die Elemente der Mondbahn und des Mondäquators dienen, teilweise in Verbindung mit den Größen $L_\odot$ und $M_\odot$ auf S. 38, verschiedenen Zwecken:

1) Als Argumente für die Berechnung der Reduktionsgrößen A, B, C, D, E, A', B'.

2) Bei Bestimmung der selenographischen Koordinaten von Punkten der Mondoberfläche (siehe darüber den folgenden Abschnitt).

3) Bei Berechnung der *optischen* und *physischen* Libration des Mondes.

a) Für die Berechnung der *optischen* Libration des Mondes sind alle nötigen Angaben in den Erläuterungen zu den Hilfstafeln unter Nr. 6 gemacht.

b) Die Beträge der *physischen* Mondlibration in selenographischer Länge, der Neigung des Mondäquators und seinem aufsteigenden Knoten auf der Ekliptik τ, ϱ, σ haben die Werte:

$$\tau = -\ 13''\sin M_☾ + 65''\sin M_\odot + 26''\sin 2\,(L_☾ - M_☾ - \Omega)$$

$$\varrho = -106''\cos M_☾ + 34''\cos(2\,L_☾ - M_☾ - 2\,\Omega) - 11''\cos 2\,(L_☾ - \Omega)$$

$$\sigma \sin J = -108''\sin M_☾ + 34''\sin(2\,L_☾ - M_☾ - 2\,\Omega) - 11''\sin 2\,(L_☾ - \Omega)$$

Diese Zahlenangaben beruhen auf der Annahme $f = 0.73$, worüber F. Hayn (Astr. Nachr. Bd. 199, S. 264) einzusehen ist.

Ephemeride für den Mondkrater Mösting A

(S. 59—63).

Die Ephemeride des Mondkraters Mösting A dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Beobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für 12^h Mittlere Zeit Greenwich und enthält für die Tage, an welchen Mösting A innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_{☾} - \alpha_k$ in Rektaszension und $\delta_{☾} - \delta_k$ in Deklination zwischen der Mondmitte und dem Krater, vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_{☾}$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Beobachtungen des Kraters interpoliere man $\alpha_{☾} - \alpha_k$, $\delta_{☾} - \delta_k$ und $\log \sin p_k$ mit der Beobachtungszeit. Fügt man alsdann $\alpha_{☾} - \alpha_k$ und $\delta_{☾} - \delta_k$ zum geozentrischen Ort des Kraters (die Parallaxe wird mit p_k und δ_k, der Deklination des Kraters, berechnet), so hat man die geozentrische AR. und Dekl. des Mondes für die Beobachtungszeit.

Hat man einen Punkt der Mondoberfläche mikrometrisch an Mösting A angeschlossen, so bestimme man zunächst die topozentrischen, d. h. mit Parallaxe behafteten Koordinatendifferenzen $\alpha'_{☾} - \alpha'_k$ und $\delta'_{☾} - \delta'_k$ zwischen Mondmittelpunkt und Mösting A aus folgenden Identitäten:

$$\alpha'_{☾} - \alpha'_k = \alpha_{☾} - \alpha_k + (\alpha'_{☾} - \alpha_{☾}) - (\alpha'_k - \alpha_k)$$
$$\delta'_{☾} - \delta'_k = \delta_{☾} - \delta_k + (\delta'_{☾} - \delta_{☾}) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen topozentrischen Abstände zwischen der Mondmitte und Mösting A mit den mikrometrischen Messungen zwischen Mösting A und einem zweiten Krater, so erhält man die topozentrische Lage des letzteren gegen die Mondmitte und kann hieraus mit Hülfe von $\alpha'_{☾}$ und $\delta'_{☾}$ und den Angaben auf Seite 58 die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die topozentrische AR. und Dekl. des an Mösting A angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_{☾}) \cos \tfrac{1}{2}(\delta' + \delta'_{☾})$$
$$s \cos \pi_m = \delta' - \delta'_{☾}$$
$$\pi = \pi_m - \tfrac{1}{2}(\alpha' - \alpha'_{☾}) \sin \tfrac{1}{2}(\delta' + \delta'_{☾})$$
$$\sin (K + s) = \sin s \operatorname{cosec} h'.$$

h' ist der Abstand des Kraters vom Mondschwerpunkt, gesehen vom Beobachtungsort aus, der aus h, dem vom Erdmittelpunkt aus gesehenen Abstand, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers $15' 32''.59$ (nach J. Peters, Astr. Nachr. Bd. 138, S. 147) eingesetzt werden.

$$\begin{aligned}
\sin d &= -\sin \delta'_{☾} \cos K + \cos \delta'_{☾} \sin K \cos \pi \\
\cos d \cos (a - \alpha'_{☾}) &= -\cos \delta'_{☾} \cos K - \sin \delta'_{☾} \sin K \cos \pi \\
\cos d \sin (a - \alpha'_{☾}) &= \sin K \sin \pi \\
\sin \beta &= \sin d \cos i - \cos d \sin i \sin (a - ☊') \\
\cos \beta \sin \lambda' &= \sin d \sin i + \cos d \cos i \sin (a - ☊') \\
\cos \beta \cos \lambda' &= \cos d \cos (a - ☊') \\
\lambda &= \lambda' - 180^\circ - L_{☾} - (\varDelta - ☋).
\end{aligned}$$

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$\begin{aligned}
d\lambda = &+ 13'' \sin M_{☾} - 65'' \sin M_{\odot} - 26'' \sin 2 (L_{☾} - M_{☾} - ☊) \\
&+ \operatorname{tg} \beta \, [-106'' \cos (L_{☾} - M_{☾} - ☊ + \lambda) + 34'' \cos (L_{☾} - M_{☾} - ☊ - \lambda) \\
&- 11'' \cos (L_{☾} - ☊ - \lambda)] \\
d\beta = &+ 108'' \sin (L_{☾} - M_{☾} - ☊ + \lambda) + 34'' \sin (L_{☾} - M_{☾} - ☊ - \lambda) \\
&- 11'' \sin (L_{☾} - ☊ - \lambda)
\end{aligned}$$

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters:

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta$$

Der Berechnung der Ephemeride des Kraters Mösting A liegen folgende von F. Hayn ermittelten Konstanten (Astr. Nachr. Bd. 199, S. 263) zugrunde:

$$\lambda_0 = -5^\circ\, 10'\, 7'', \qquad \beta_0 = -3^\circ\, 11'\, 2''$$
$$h = 15'\, 33''.4$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$\begin{aligned}
d\lambda &= -13'' \sin M_{☾} + 65'' \sin M_{\odot} + 26'' \sin 2 (L_{☾} - M_{☾} - ☊) \\
d\beta &= -107'' \sin (L_{☾} - M_{☾} - ☊ + \lambda_0) - 34'' \sin (L_{☾} - M_{☾} - ☊ - \lambda_0) \\
&\quad + 11'' \sin (L_{☾} - ☊ - \lambda_0),
\end{aligned}$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Die Formeln zur Berechnung der Ephemeride siehe in den Erläuterungen zum Jahrbuch 1916.

Ephemeriden der Grossen Planeten

(S. 64—112).

Die geozentrischen Örter der Planeten sind für Merkur, Venus und Mars von Tag zu Tag, für Jupiter, Saturn und Uranus von 2 zu 2 Tagen und für Neptun von 4 zu 4 Tagen mit ihren ersten Differenzen gegeben, und zwar in scheinbaren, d. h. auf das momentane wahre Äquinoktium bezogenen Koordinaten des scheinbaren Orts, für 0^h Mittlere Zeit Greenwich. Die letzte Spalte gibt die Mittlere Greenwicher Zeit der oberen Kulmination in Greenwich.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für	Merkur Halbmesser		. . . . .	3″.34		
»	Venus	»	. . . . .	8.78		
»	Mars	»	. . . . .	4.68		
»	Jupiter	»	(Äquatorial)	99.8,	(Polar)	92″.6
»	Saturn	»	(Äquatorial)	81.4,	(Polar)	73.4
»	Uranus	»	. . . . .	34.7		
»	Neptun	»	. . . . .	45.		

Die heliozentrischen Ephemeriden der Planeten (S. 109—112) geben den Log. des Radiusvector, die Länge in der Bahn, deren Reduktion auf die Ekliptik und die Breite, außerdem bei den Planeten Jupiter, Saturn, Uranus und Neptun noch den bei Störungsrechnungen manchmal gebrauchten Winkel B_0, welchen der Radiusvector mit derjenigen Bahnebene macht, für welche die bei jedem Planeten gemachten Angaben über ☊ und i gelten.

Bei Jupiter, Saturn, Uranus und Neptun stellen ☊ und i die Bahnlage für die Epoche 1925.0 und das Normaläquinoktium 1925.0 dar; bei Merkur, Venus und Mars gelten sie für den Jahresanfang 1922.0 und sind bezogen auf das Äquinoktium 1925.0.

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben sind ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden. Für die Erde ist noch besonders zu erwähnen, daß die Masse von »Erde + Mond« gegeben ist, Radiusvector und heliozentrische Länge sich auf den Schwerpunkt des Systems »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 114—137).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Rechen-Instituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch mechanische Quadratur berechnet.

Die Angaben über die Sternspektra sind der »Revised Harvard Photometry« in »Harvard Annals, vol. 50« entnommen.

Scheinbare Örter von 573 Fixsternen (S. 138—337).

Die scheinbaren Orter der Fixsterne sind für den Moment der oberen Kulmination im Greenwicher Meridian gegeben und enthalten die kurzperiodischen Mondglieder der Nutation nicht; nur bei den 18 Polsternen ist deren Betrag gesondert unter der Überschrift ☾Gl. gegeben.

Zunächst werden die scheinbaren Örter von 555 Sternen von 10 zu 10 Sterntagen gegeben; in der ersten Spalte ist die Mittlere Greenwicher Zeit der Kulmination hinzugefügt.

Es folgen die scheinbaren Örter für 18 weniger als 10° von den Polen entfernte Sterne für jede obere Kulmination. Die Anordnung ist eine derartige, daß für jeden Zeitraum einer Seite sämtliche 9 (entweder nördliche oder südliche) Polsterne nebeneinander aufgeführt sind, wie es für den Gebrauch am geeignetsten erscheint. Die Glieder zweiter Ordnung der »Reduktion auf den scheinbaren Ort« sind hierbei berücksichtigt.

Am Fuß der Ephemeriden ist der mittlere Ort eines jeden Sterns für den Anfang des Jahres, außer für die Polsterne, wieder angegeben, dazu die Werte von tg δ und sec δ, welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden Besselschen Formel gebraucht werden.

Die jährliche Parallaxe ist bei folgenden Sternen, bei denen sie 0″.20 übersteigt und hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit	0″.31	Nr. 538	α Centauri	mit	0″.75
Nr. 127	ε Eridani	»	0.32	Nr. 745	α Aquilae	»	0.23
Nr. 257	α Can. maj.	»	0.38	Nr. 793	61 Cygni	»	0.30
Nr. 291	α Can. min.	»	0.33				

bereits berücksichtigt. Von den nicht mit Ephemeriden versehenen Sternen des F. K. besitzt noch Nr. 825 ε Indi eine Parallaxe von 0″.25.

Reduktionsgrössen (S. 338—374).

Auf die scheinbaren Örter der Sterne folgt S. 338 eine Zusammenstellung der Werte, mit welchen die Reduktionsgrößen der darauf folgenden Tafeln berechnet sind, und der Formeln für die Reduktion auf den scheinbaren Ort.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer *ersten* Form: A, B, C, D, E; A', B' gegeben für 12^h Sternzeit des Meridians von Greenwich:

1) Auf S. 339 im Intervall von 10 Sterntagen.

Diese Tafel soll zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge dienen. Wegen ihrer logarithmischen Form und des großen Intervalls ist die Tafel zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 358—366 für jeden Sterntag. Hier sind die numerischen Werte von A, B, C und D mit ihren Differenzen gegeben und die kurzperiodischen Mondglieder A' und B' mit angeführt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende Mittlere Zeit Greenwich vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz gegen Greenwich, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der *zweiten* Form: f, $\log g$, G, $\log h$, H, $\log i$ sowie f', g' und G' sind S. 340—357 von Tag zu Tag für 12^h Mittlere Zeit Greenwich gegeben. Um den Gebrauch der Spalte $\log i$ zu erleichtern, sind an den Stellen, wo die Werte von i durch Null gehen, auch die numerischen Werte in besonderer Spalte hinzugefügt.

Auch hier findet sich eine Spalte, t überschrieben, welche die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres gibt.

Die Seiten mit ungerader Seitenzahl enthalten außer den schon erwähnten f', g', G' noch folgende Größen:

a) ψ = Allgemeine Präzession seit 1922.0.
b) $\Delta\psi$ = Langperiodische Glieder der Nutation in Länge.
c) $\Delta\psi'$ = Kurzperiodische Glieder der Nutation in Länge.
d) Die wahre Schiefe der Ekliptik.
e) $\Delta\varepsilon$ = Langperiodische Glieder der Nutation in Schiefe.
f) $\Delta\varepsilon'$ = Kurzperiodische Glieder der Nutation in Schiefe.

Die mittlere Schiefe der Epoche erhält man durch Subtraktion der Gesamtnutation ($\Delta\varepsilon + \Delta\varepsilon'$) von der wahren Schiefe (in Spalte d).

Weitere Reduktionsgrößen folgen auf Seite 367—369. Es sind dies zunächst die rechtwinkligen äquatorialen Sonnenkoordinaten, bezogen auf das Normaläquinoktium 1925.0, die hauptsächlich zur Berechnung von genaueren Ephemeriden Kleiner Planeten nützlich sind.

Die auf den gleichen Seiten gegebenen Größen f, $\log g$ und G dienen zur Übertragung der Örter von dem mittleren Normaläquinoktium $t_2 = 1925.0$ auf das instantane wahre Äquinoktium t_1. Diese Übertragung bedarf noch einer Korrektion, die man der Seite 370 entnehmen kann.

Auf Seite 371 findet sich eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium von 1922.0 sowie eine Tafel der Hilfsgrößen zur Berechnung der Präzession von verschiedenen mittleren Äquinoktien bis 1922.0. Die Formeln zur Übertragung der Polsternörter von dem Äquinoktium t_2 auf t_1 lauten:

$$a_2 = \alpha_2 - [(m) + (N) - 90^0]$$

$$p_2 = -\left(\operatorname{tang} \delta_2 - \cos a_2 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a_2 = \frac{p_2 \sin a_2}{1 - p_2 \cos a_2}$$

$$\alpha_1 = \alpha_2 - [90^0 - (N)] + \Delta a_2$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_1 - \delta_2) = -\cos (a_2 + \tfrac{1}{2} \Delta a_2) \sec \tfrac{1}{2} \Delta a_2 \operatorname{tang} \tfrac{1}{2}(n)$$

Eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium von 1922.0 auf das Normaläquinoktium 1925.0 (auf Seite 372 bis 374) beschließt die Sammlung der Tafeln der Reduktionsgrößen.

Sonnen- und Mondfinsternisse (S. 376—381).

Über die Verwendung der bei den Sonnenfinsternissen gegebenen Besselschen Elemente zur Vorausberechnung der Phasenzeiten und der Positionswinkel der Kontakte siehe die Erläuterungen zum Jahrbuch 1916, die auch ein durchgeführtes Zahlenbeispiel enthalten.

(μ' ist nicht mehr tabuliert und durchgangs $= 15$ anzusetzen.)

Sternbedeckungen durch den Mond (S. 382—385).

Für die an irgend einem Ort in Mitteleuropa (das Gebiet gelegen zwischen $+45^0$ und $+55^0$ geographischer Breite und $0^h\,25^m$ und $1^h\,25^m$ östlicher Greenwicher Länge) beobachtbaren Bedeckungen sind gegeben:

1) ein Verzeichnis der bedeckten Sterne; die angegebenen Nummern beziehen sich auf den: Catalogue of Zodiacal Stars by H. B. Hedrick, veröffentlicht in: Astronomical Papers of the American Ephemeris, Vol. VIII, Part III.
2) die Mittlere Greenwicher Zeit der Konjunktion in Rektaszension von Mond und Gestirn.

Es soll mit diesen Angaben nur auf die Bedeckungen aufmerksam gemacht werden. Bezüglich der zur genaueren Vorausberechnung (siehe die Erläuterungen zum Jahrbuch 1916, die auch ein Beispiel enthalten) dienenden Elemente sei auf die American Ephemeris verwiesen.

Jupiterstrabanten (S. 386—387).

Die Seiten 386 und 387 enthalten die Zeitangaben für die Verfinsterungen der vier älteren Jupiterstrabanten in dem Schattenkegel des Jupiter; Ein- und Austritte sind durch beigefügtes E. und A. unterschieden.

Saturnsring (S. 388—391, 403).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Scheinbare kleine Achse des Saturn.

p_a Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Längenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise; östlich positiv, westlich negativ.

N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an.

J Neigung der Ringebene gegen den Erdäquator.

ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene.

Es liegen folgende Bestimmungen nach Struve zugrunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial $17''.47$ Polar $15''.65$

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$\Omega_1 = 167^\circ\ 57'.0 \quad \text{und} \quad i_1 = 28^\circ\ 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2R = 39''.35.$$

Saturnstrabanten (S. 392—416).

Alle Berechnungen über die Saturnstrabanten sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas*, Série II, Vol. XI,

abgeleiteten, in Astr. Nachr. Bd. 162, S. 325 u. ff. weiter verbesserten Elementen durchgeführt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnsmasse $\mu = \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Zunächst sind für die fünf inneren Trabanten auf den Seiten 392 bis 403 die Hilfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkeligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin B \cos(u-U).$$

$(\varDelta) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, $\varDelta$ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin B\,[\cos(u-U) + \sin\gamma \operatorname{cotg} B \sin(u-\vartheta)].$$

Die Werte von ϑ, der Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator, finden sich auf Seite 403; auch ist hier für Rhea γ, weil stärker mit der Zeit veränderlich, in Intervallen von 16 Tagen gegeben.

Will man aus x und y die Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin (p - P) = x$$
$$s \cos (p - P) = y$$
$$\Delta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$
$$\Delta\delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 404—412 finden sich für die drei äußeren Trabanten Titan, Hyperion und Japetus, außer den Hilfsgrößen U, B und P, die Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet. Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind wahre Örter und beziehen sich auf das mittlere Äquinoktium der Epoche.

Zum Schluß enthalten die Seiten 413—416 die Zeitangaben für die östlichen Elongationen von Mimas, Enceladus, Tethys, Dione, Rhea, ferner für die östlichen und westlichen Elongationen ($u - U = \pm 90°$) und für die oberen und unteren Konjunktionen ($u - U = 0°, 180°$) von Titan, Hyperion und Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 417).

In der Übersicht der Konstellationen des Jahres 1922 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne, Mond und die Sterne 1. und 2. Größe, letztere nur soweit, als die Differenz der Deklination zwischen Planet und Stern den Betrag von 1^0 nicht übersteigt, sowie die Angaben der Epochen, zu welchen sich die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. Die Bedeutung der hier verwendeten Zeichen siehe Seite VIII des Vorworts. — Die Konjunktionen der Planeten mit dem Mond und ihre gegenseitigen sind als Konjunktionen in AR. zu verstehen. Letztere sind nur insoweit berücksichtigt, als die Differenz der Deklinationen beider Planeten den Betrag von 3° nicht übersteigt. Für die Berechnung der Epochen der größten Helligkeit der Venus wurde für die Lichtstärke die Formel von G. Müller (*Publikationen des Astrophys. Observatoriums zu Potsdam,* Bd. VIII, Seite 197 ff.) zugrunde gelegt:

$$h = -4.004 + 0.01322\, \alpha + 0.0000004247\, \alpha^3 + 5 \log (r\Delta),$$

worin α (in Graden) den Winkel an der Venus im Dreieck Sonne—Venus—Erde, r und Δ die ihn einschließenden Seiten bezeichnen.

Hilfstafeln (S. 418—437).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Tafel des halben Tagbogens (S. 418—419). Berechnet mit der Horizontalrefraktion 34'.9 für geographische Breiten von + 30° bis + 60° und Deklinationen von — 30° bis + 30°.

2) Reduktionstafeln für die Auf- und Untergangszeiten der Sonne und des Mondes (S. 420—423). Sie geben die Reduktion der für + 50° Breite gültigen Zeiten, wie sie in den Ephemeriden enthalten sind, auf geographische Breiten zwischen +30° und +60° und sind mit der Horizontalrefraktion 34'.9 für das Erscheinen oder Verschwinden des oberen Gestirnsrandes gerechnet.

3) Eine Tafel für die Ermittelung eines Datums in der julianischen Periode (Seite 424—427.) Die Tafel besteht aus zwei Teilen: Der erste Teil (S. 424—425) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hilfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage. Der zweite Teil (S. 426—427) gibt für die Jahre 1860—1939 unmittelbar die Anzahl der am 0. jedes Monats im gregorianischen Kalender seit Beginn der julianischen Periode verflossenen Tage.

4) Hilfstafeln zur Verwandlung von Mittlerer Zeit in Sternzeit (S. 428) und von Sternzeit in Mittlere Zeit (S. 429).

5) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (S. 430—431).

6) Die Tafel zur Berechnung der optischen Mondlibration (S. 432—433) gibt mit dem Argument $\lambda - \Omega$ die Werte $\Delta\lambda$, a und B entsprechend den Gleichungen:

$$\Delta\lambda = \frac{1}{\text{arc } 1'} \,\text{tang}^2 \frac{1}{2} J \sin 2(\lambda - \Omega)$$

$$a = -\cos(\lambda - \Omega) \sin J$$

$$\text{tang } B = -\sin(\lambda - \Omega) \,\text{tang } J$$

J = Neigung des Mondäquators gegen die Ekliptik.

Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik (s. S. 58).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

Bezeichnen noch $L_☾$ die mittlere Länge des Mondes, l' und b' die optische Libration der Mondmitte in selenographischer Länge und Breite, so ist:

$$l' = \lambda - L_☾ + \Delta\lambda - a(B - \beta)$$
$$b' = B - \beta$$

Der Winkel C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Stundenkreise bildet, ergibt sich aus der Gleichung:

$$\sin C = -\sin i \frac{\cos(L_☾ + l' + \Delta - ☋)}{\cos \delta_☾} = -\sin i \frac{\cos(\alpha_☾ - ☊')}{\cos b'},$$

worin $\alpha_☾$, $\delta_☾$ Rektaszension und Deklination des Mondmittelpunktes, gesehen vom Beobachtungort aus, bezeichnen; die anderen vorkommenden Größen i, Δ, ☋ und ☊' haben schon auf S. 449 ihre Erklärung gefunden.

7) Tafeln für Präzessionswerte (S. 434—436).

a) Präzession in Länge und Breite (Seite 434 u. 435).

$$p_\lambda = \psi + \pi \operatorname{tg} \beta \cos(\Pi - \lambda)$$
$$p_\beta = \pi \sin(\Pi - \lambda)$$

b) Präzession in Rektaszension und Deklination (Seite 436).

$$p_\alpha = m + \tfrac{1}{15} n \sin \alpha \operatorname{tg} \delta$$
$$p_\delta = n \cos \alpha$$

c) Präzessionswerte m, n, ψ, π, Π und die mittlere Schiefe der Ekliptik (Seite 436).

Den Tafeln a) und b) liegen die Präzessionswerte für 1925.0 zugrunde. Über die Bedeutung der Bezeichnungen und die Zahlenwerte vergleiche die Erläuterungen zum Jahrbuch für 1916.

8) Eine Tafel der Hilfsgrößen s und c (S. 437) zur Berechnung der geozentrischen Breite φ' und der geozentrischen Entfernung ϱ eines Erdortes, ausgedrückt in Einheiten der großen Halbachse des Erdellipsoids, aus der geographischen Breite φ nach den Formeln:

$$\varrho \sin \varphi' = s \sin \varphi$$
$$\varrho \cos \varphi' = c \cos \varphi$$

Darin haben s und c die Bedeutung:

$$s = \frac{1 - e^2}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad c = \frac{1}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad e = \sqrt{2\mathfrak{a} - \mathfrak{a}^2}$$

Gemäß den Beschlüssen der Pariser Ephemeridenkonferenz von 1911 ist dabei die Abplattung $\mathfrak{a} = \frac{1}{297.0}$ angenommen.

Koordinaten der Sternwarten (S. 438—445).

Die Seiten 438—445 enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben, wo sie sich einigermaßen sicher ermitteln ließen. Die Angaben sind zum größten Teil dem Verzeichnis von Auwers im *Geographischen Jahrbuch*, dem *Nautical Almanac* oder der *American Ephemeris* entnommen.

Die geographischen Längen sind auf den Meridian von Greenwich bezogen und dem entsprechend gibt die »Korrektion der Sternzeit« die Differenz: Sternzeit im Mittleren Ortsmittag minus Sternzeit im Mittleren Greenwicher Mittag an.

Die geozentrischen Koordinaten sind den Beschlüssen der Pariser Ephemeridenkonferenz vom Oktober 1911 gemäß unter Annahme der Abplattung 1 : 297.0 berechnet.

Bei Berechnung von log ϱ ist die Seehöhe berücksichtigt.

Normalzeiten der wichtigeren Länder (S. 446).

Hier sind die in den wichtigeren Ländern eingeführten Normalzeiten in zwei Gruppen zusammengestellt, je nachdem sie an den Meridian von Greenwich angeschlossen sind oder einen eigenen Landes-Meridian zugrunde legen.

Berichtigungen.

Jahrgang 1921	
Seite 3	Jan. 10 log R = 9.992 7540 statt 9.902 7540
» 213	490) ϑ Virginis statt υ Virginis
» 244	691) α Telescopii statt $\varkappa$ Telescopii
» 256	767) ϑ Cephei statt δ Cephei
» 381	Überschrift bei der Zentralkurve: Dauer der Totalität statt Dauer der ringförmigen Verfinsterung
» 418	April 9 ♂ ☌ ☾ statt ♂ ☌ ☉
	Juni 28 ♂ ☌ ☉ » ♂ ☌ ☾
Jahrgang 1922	
Seite 120	Nr. 262 Rekt. = $6^h\ 47^m\ 23^s.528$ statt $23^s.523$
» 221	Mittl. Ort von α Centauri: Dekl. = $-60°\ 30'\ 47''.25$ statt $56''.19$
» 377	$18^h\ 0^m$ y' = +0.002577 statt −0.002577
» 382	$22^h\ 0^m$ y' = −0.002895 » +0.002895

Alphabetisches Sachregister.

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